PROJECT GENERAL NOTES

A. ARCHITECTURAL CONTENTS ARE BASED UPON DOCUMENTS FROM: *"SHELL DRAWINGS DATED ON 04/03/24 AND CIVIL DRAWINGS."* WILKUS ARCHITECTS TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED.
B. IN ADDITION TO THE GENERAL NOTES LISTED HEREIN, THE LATEST EDITION OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION SHALL APPLY.
C. WORK SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES, ORDINANCES, LAWS AND REQUIREMENTS.
D. WORK, WHEN COMPLETED, SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT AND LOCAL ACCESSIBILITY REQUIREMENTS.
E. THE CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. COORDINATE PORTIONS OF WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
F. THE CONSTRUCTION DOCUMENTS, AS DEFINED BY THE DRAWING AND SPECIFICATION INDEX, ARE NECESSARY TO DEFINE THE TOTAL PROJECT. PARTIAL PLANS OR SPECIFICATIONS SHOULD NOT BE ISSUED BY ANY PARTIES FOR BIDDING OR CONSTRUCTION.
G. IT IS THE INTENT OF THE CONSTRUCTION DOCUMENTS TO DESCRIBE A COMPLETE AND FINISHED PROJECT, OTHER THAN ITEMS NOTED "NIC" (NOT IN CONTRACT). ERRORS, OMISSIONS AND INCONSISTENCIES THAT MAY OCCUR BETWEEN THE CONSTRUCTION DOCUMENTS AND/OR EXISTING CONDITIONS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT IN WRITING AND WRITTEN INSTRUCTIONS SHALL BE OBTAINED PRIOR TO PROCEEDING WITH THE WORK. THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY ERRORS, DISCREPANCIES AND/OR OMISSIONS WHICH THE GENERAL CONTRACTOR FAILED TO NOTIFY THE ARCHITECT PRIOR TO CONSTRUCTION AND/OR FABRICATION OF THE WORK.
H. GENERAL CONTRACTOR SHALL INCLUDE AND PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION AND PAY EXPENSES INCURRED IN THE PROPER COMPLETION OF WORK UNLESS SPECIFICALLY NOTED TO BE THE WORK OF OTHERS. GENERAL CONTRACTOR SHALL PERFORM WORK NECESSARY FOR PRODUCTION OF A COMPLETE, HABITABLE PROJECT AS DEFINED BY THE SCOPE OF WORK.
I. DO NOT SCALE DRAWINGS. BIDDER (CONTRACTOR) SHALL VERIFY CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, WHETHER BUILT OR NOT, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING WORK.
J. THE STATED DIMENSIONS SHALL TAKE PRECEDENCE OVER GRAPHIC. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.
K. NOTE THAT ERRORS IN THE TRANSMISSION OR REPRODUCTION OF THESE CONSTRUCTION DOCUMENTS COULD RESULT IN ALTERATIONS TO LINE TYPES, THICKNESSES, TONES, COLORS, HATCH PATTERNS AND SCALE. WILKUS ARCHITECTS IS NOT RESPONSIBLE FOR ANY CLAIMS, DAMAGES OR EXPENSES ARISING FROM THE UNAUTHORIZED USE OF THE INFORMATION CONTAINED WITHIN.
L. IF THE CONSTRUCTION DOCUMENTS APPEAR TO BE UNCLEAR, AMBIGUOUS OR CONTRADICTORY, AND IN THE EVENT THAT THE CONTRACTOR, OR SUBCONTRACTOR, DETERMINES CLARIFICATION OR INTERPRETATION BY THE ARCHITECT IS REQUIRED, THE GENERAL CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION IN WRITING TO THE ARCHITECT PRIOR TO START OF THE WORK.
   a. REQUESTS FOR INFORMATION MAY ONLY BE MADE BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL CLEARLY AND CONCISELY SET FORTH THE ISSUE FOR WHICH CLARIFICATION IS SOUGHT AND WHY A RESPONSE IS NEEDED FROM THE ARCHITECT AND/OR CONSULTANTS. IN THE REQUEST FOR INFORMATION, THE CONTRACTOR SHALL SET FORTH AN UNDERSTANDING OF THE REQUIREMENT, ALONG WITH A REASON WHY SUCH AN UNDERSTANDING WAS REACHED.
   b. THE ARCHITECT WILL REVIEW THE REQUEST FOR INFORMATION TO DETERMINE IF IT IS WITHIN THE MEANING OF THIS TERM. IF THE ARCHITECT DETERMINES THAT IT IS NOT A REQUEST FOR INFORMATION, IT WILL BE RETURNED TO THE CONTRACTOR UNREVIEWED AS TO CONTENT OR FOR RE-SUBMITTAL IN THE PROPER FORM AND MANNER.
   c. RESPONSES TO REQUESTS FOR INFORMATION SHALL BE ISSUED UPON RECEIPT, BUT NO LATER THAT FIVE WORKING DAYS OF RECEIPT, UNLESS IT IS DETERMINED THAT A LONGER PERIOD OF TIME IS NEEDED IN ORDER TO PROVIDE ADEQUATE RESPONSE. IF A LONGER PERIOD OF TIME IS NECESSARY, THE ARCHITECT WILL, WITHIN FIVE WORKING DAYS OF THE RECEIPT OF THE REQUEST FOR INFORMATION, NOTIFY THE GENERAL CONTRACTOR OF THE ANTICIPATED RESPONSE TIME.
   d. IF THE REQUEST FOR INFORMATION IS SUBMITTED WITH FIVE WORKING DAYS OR LESS FLOAT ON THE PROJECT SCHEDULE, THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY TIME EXTENSION DUE TO THE TIME REQUIRED TO REVIEW AND RESPOND, PROVIDED A RESPONSE IS GIVEN WITHIN THE FIVE WORKING DAYS AS SET FORTH ABOVE.
   e. RESPONSES FROM THE ARCHITECT ARE NOT INTENDED TO CHANGE ANY OF THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. IN THE EVENT THAT THE CONTRACTOR BELIEVES A RESPONSE WILL CAUSE A CHANGE TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY GIVE WRITTEN NOTICE TO THE ARCHITECT AND CLIENT STATING THAT THEY CONSIDER THE RESPONSE TO BE A CHANGE ORDER. FAILURE TO GIVE SUCH WRITTEN NOTICE IMMEDIATELY SHALL WAIVE THE CONTRACTORS RIGHT TO SEEK ADDITIONAL TIME AND/OR COST.
M. ANY DIMENSIONS, DETAILS, NOTES AND/OR SYMBOLS THAT APPLY TO ONE UNIT, APPLY TO ALL UNITS IN LIKE SITUATIONS, UNLESS NOTED OTHERWISE.
N. FOR THE PURPOSE OF THESE DOCUMENTS, "INSTALL" SHALL MEAN TO PROVIDE FASTENERS, MISCELLANEOUS HARDWARE, BLOCKING, ELECTRICAL CONNECTIONS, PLUMBING CONNECTIONS AND ANY OTHER ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION, UNLESS NOTED OTHERWISE.
O. FOR THE PURPOSE OF THESE DOCUMENTS, "BY GC" WILL REFER TO ITEMS PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR, THEIR SUBCONTRACTORS AND/OR AGENTS. THE TERM "BY CLIENT" WILL REFER TO ITEMS PROVIDED BY THE CLIENT AND INSTALLED BY THE GENERAL CONTRACTOR.
P. PRODUCTS THAT HAVE BEEN USED IN PREPARING THESE DOCUMENTS, ARE TO ESTABLISH MINIMUM QUALITIES. PROPOSED SUBSTITUTIONS MUST MEET THESE QUALITIES, OR BETTER, TO BE CONSIDERED ACCEPTABLE. THE BURDEN OF PROOF OF EQUALITY RESTS WITH THE GENERAL CONTRACTOR. ADEQUATE SUPPORTING DOCUMENTATION MUST ACCOMPANY SUBSTITUTION REQUEST SUBMITTALS, WHICH MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO BIDDING.
Q. GENERAL CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMISSION OF BID AND BEGINNING OF ANY WORK TO EXAMINE AND COMPARE THE DRAWINGS AND SPECIFICATIONS TO THE EXISTING CONDITIONS AND BE KNOWLEDGEABLE OF WORK TO BE PERFORMED. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
R. NOTIFY ALL PARTIES IF HAZARDOUS MATERIALS ARE SUSPECTED OR FOUND TO BE PRESENT.
S. DO NOT ATTEMPT REMOVAL OF ANY STRUCTURE OR ELEMENT SUSPECTED OF BEING STRUCTURAL IN NATURE. STRUCTURAL MODIFICATIONS TO THE BUILDING OR STRUCTURAL SYSTEMS (OF ANY TYPE) REQUIRE APPROVAL FROM THE BUILDING OWNER AND AN APPROVED STRUCTURAL ENGINEER.
T. GENERAL CONTRACTOR TO PROVIDE TEMPORARY BARRICADES, WINDOW BLACKOUTS AND DUST CONTROL AS REQUIRED BY CLIENT, LANDLORD OR AUTHORITY HAVING JURISDICTION FOR THE DURATION OF CONSTRUCTION.
U. VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
V. THROUGHOUT THE PROJECT, THE GENERAL CONTRACTOR SHALL CLOSELY SUPERVISE THE WORK OF SUBCONTRACTORS AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS AND TECHNIQUES, INCLUDING SAFETY PROCEDURES AND FOR COORDINATING/SEQUENCING TRADES.
W. GENERAL CONTRACTOR SHALL TAKE OUT ANY NECESSARY TRADE-LEVEL PERMITS, INSURANCE, LICENSES, BONDS AND CERTIFICATES AND PAY ALL FEES CONNECTED TO THE WORK DESCRIBED HEREIN.
X. ALL CONTRACTORS FOR THE WORK ARE REQUIRED TO HAVE INSURANCE OF ALL TYPES AND LIMITS, AS REQUIRED FOR THIS PROJECT.
Y. REFER TO ENGINEERED CONSTRUCTION DOCUMENTS BY OTHERS FOR ADDITIONAL PERTINENT INFORMATION.
Z. ABBREVIATIONS ARE PER THE UNITED STATES NATIONAL CAD STANDARD - FOUND IN MODULE 5 - TERMS AND ABBREVIATIONS.
AA. REFER TO INDIVIDUAL DRAWINGS WITHIN THIS SET OF CONSTRUCTION DOCUMENTS FOR ADDITIONAL GENERAL NOTES.
BB. GENERAL CONTRACTOR IS RESPONSIBLE TO CONTACT (client, landlord, etc) TO VERIFY, COORDINATE AND COMPLY, DURING THE BIDDING PHASE, WITH REQUIREMENTS INCLUDING, BUT NOT LIMITED TO BARRICADES, STAGING, CONSTRUCTION PROCEDURES, USE OF MANDATED SUBCONTRACTORS, DEBRIS REMOVAL, RESTRICTED HOURS OF CONSTRUCTION, SECURITY, UTILITIES, ETC.
CC. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ITEMS WHICH ARE OBVIOUS AND NECESSARY TO ENSURE QUALITY WORKMANSHIP AND INSTALLATION, EVEN IF NOT SPECIFICALLY MENTIONED IN THE DRAWINGS, INCLUDING BUT NOT LIMITED TO BLOCKING AND BRACING.
DD. ANY DEVIATION FROM THESE CONSTRUCTION DOCUMENTS ON THE PART OF THE GENERAL CONTRACTOR, ANY SUBCONTRACTOR, VENDOR AND/OR SUPPLIER, OR USE OF THESE CONSTRUCTION DOCUMENTS FOR USE AT ANY LOCATION OTHER THAN THAT FOR WHICH THEY WERE INTENDED, SHALL RELEASE WILKUS ARCHITECTS, AND ITS SUBSIDIARIES, AND THEIR OFFICERS, DIRECTORS, SHAREHOLDERS, AGENTS, EMPLOYEES, REPRESENTATIVES, SUCCESSORS AND ASSIGNEES, FROM ANY AND ALL LIABILITY INCURRED IN LITIGATION OR OTHERWISE WITH RESPECT TO THE CONSTRUCTION OF THIS PROJECT.
EE. GENERAL CONTRACTOR IS RESPONSIBLE FOR THEIR WORK AND THAT OF THEIR SUBCONTRACTORS FOR THE LOSSES AND DAMAGES TO EQUIPMENT, EXISTING CONSTRUCTION, TOOLS AND MATERIALS USED IN CONJUNCTION WITH THE WORK, FOR THE ACTS OF THEIR EMPLOYEES AND SUBCONTRACT WORKERS.
FF. GENERAL CONTRACTOR SHALL ADHERE AND COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING JOB SAFETY.
GG. GENERAL CONTRACTOR IS RESPONSIBLE TO CARRY WORKER'S COMPENSATION AS REQUIRED BY LAW AND/OR GOVERNING AUTHORITY.
HH. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SAFETY AND CARE OF ADJACENT PROPERTIES DURING CONSTRUCTION.
II. GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A COMPLETE AS-BUILT SET OF CONSTRUCTION DRAWINGS AT THE JOB SITE AND TURNING THE AS-BUILT DRAWINGS OVER TO THE CLIENT UPON COMPLETION OF THE PROJECT.
JJ. THE APPROVED PLANS (FOR CONSTRUCTION SET) SHALL BE KEPT ON SITE AT ALL TIMES, INCLUDING ALL ADDENDA, SUPPLEMENTAL INSTRUCTIONS, CHANGE ORDERS, COPIES OF APPROVED SUBMITTALS, ETC.
KK. IF REQUIRED, THE GENERAL CONTRACTOR SHALL PROVIDE SCHEDULING AND/OR COORDINATION WITH THE APPROPRIATE REPRESENTATIVE FOR THE FOLLOWING INSTALLATIONS OR PROCEDURES:
   a. INSTALLATION OF CONDUIT AND PIPING IN OR BELOW THE FLOOR SLAB.
   b. CONNECTIONS TO DOMESTIC WATER, SANITARY AND GREASE WASTE, SANITARY VENT AND SMOKE/FIRE ALARMS.
   c. INSTALLATION OF PRIMARY DUCTWORK, VAV BOXES AND CONTROLS.
   d. PROGRAMMING OF THE VAV BOX CONTROL AND SENSORS.
   e. ANY WORK REQUIRED AT THE BUILDING SWITCHGEAR.
   f. HARDWARE AND SOFTWARE MODIFICATIONS TO COMPLETE THE INTERFACE WITH BASE BUILDING LIFE SAFETY SYSTEM.
   g. UPON SUBSTANTIAL COMPLETION OF WORK IN THE PREMISES, CLIENT AND THE CONTRACTOR MUST SCHEDULE A FINAL INSPECTION AND PREPARE A PUNCHLIST WHICH ENUMERATES ANY AREAS OF CONSTRUCTION, FIXTURING, LIGHTING OR LAMPING, MERCHANDISING, ETC., THAT ARE NOT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. ANY STOREFRONT BARRICADE MAY NOT BE REMOVED UNTIL THE INSPECTION AND REQUIRED CORRECTIONS HAVE BEEN COMPLETED.
   h. LANDLORD'S CONDITIONS IN THE FACILITY TENANT DESIGN GUIDE HANDBOOK SHALL BE A PART OF ANY CONTRACT AND/OR AGREEMENT ENTERED INTO BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE LANDLORD CONTACT PRIOR TO ANY CONSTRUCTION.
   i. PROVIDE LANDLORD REQUIRED PROOF OF BUILDERS RISK INSURANCE AND DAMAGE DEPOSIT PRIOR TO BEGINNING OF ANY SELECTIVE DEMOLITION OR CONSTRUCTION PROCEDURES.
LL. GENERAL CONTRACTOR TO VERIFY REQUIREMENTS TO MAINTAIN ROOF WARRANTY. ANY ROOF PATCHING SHALL RETURN THE AFFECTED AREA TO A "LIKE NEW" CONDITION.
MM. GENERAL CONTRACTOR ASSUMES COMPLETE RESPONSIBILITY WHEN CLIENT FURNISHED ITEMS ARE ACCEPTED AND RECEIVED BY THE GENERAL CONTRACTOR OR THEIR AGENTS.
NN. PROVIDE PROTECTION FOR EXISTING OR NEWLY INSTALLED SYSTEMS AND FINISHES FOR THE DURATION OF CONSTRUCTION.
OO. GENERAL CONTRACTOR TO INSTALL DUST PROOFING AND/OR RIGID BARRIERS AS APPROPRIATE TO DEFINE VARIOUS SEGMENTS. BARRIERS TO MAINTAIN EXITING, MECHANICAL, AND FIRE/LIFE SAFETY REQUIREMENTS FOR BUILDING OCCUPANTS.
PP. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF PORTIONS OF WORK ALREADY PERFORMED TO DETERMINE THAT SUCH PORTIONS ARE IN PROPER CONDITION TO RECEIVE SUBSEQUENT WORK.
QQ. MOLD AND MOISTURE MITIGATION - GENERAL CONTRACTOR TO COORDINATE AND ENSURE THAT ANY AREA OF THE BUILDING, MATERIAL, OR ASSEMBLY WITHIN THE BUILDING ENVELOPE IS THOROUGHLY CLEANED AND DRY BEFORE BEING COVERED BY CONSTRUCTION. ANY MOLD, MILDEW OR OTHER MOISTURE CONDITION DEVELOPED WITHIN THE SCOPE OF WORK OF THIS CONTRACT (DEMOLITION OR NEW CONSTRUCTION) SHALL BE CORRECTED AND/OR MITIGATED BY THE GENERAL CONTRACTOR PRIOR TO ADDITIONAL WORK.
RR. CONTACT BETWEEN DISSIMILAR METALS SHALL BE LIMITED. WHEN REQUIRED, THE CONTACT SHALL BE PROTECTED AS REQUIRED.
SS. VENDORS ARE RESPONSIBLE FOR DISPOSAL OF SHIPPING/CRATING MATERIALS. VERIFY WITH THE GENERAL CONTRACTOR THE USE OF THE DUMPSTER ON SITE. SUBCONTRACTORS MUST DISPOSE OF THEIR CONSTRUCTION DEBRIS. IF NOT COMPLETED, IT WILL BE COMPLETED AND BACK CHARGED FOR CLEANING. COORDINATE DISPOSAL WITH JOB SUPERINTENDENT.
TT. AT THE TIME OF PROJECT COMPLETION, THE PROJECT LIMITS ARE TO BE THOROUGHLY CLEANED PRIOR TO TURNOVER TO CLIENT.
UU. GENERAL CONTRACTOR SHALL PROVIDE TWO (2) SEPARATE FINAL PROJECT CLEANINGS. THE FIRST CLEAN SHALL INCLUDE A CONSTRUCTION CLEAN, SEAL AND POLISH, PRIOR TO EACH EQUIPMENT INSTALLATION. THE SECOND CLEANING SHALL INCLUDE A WET MOP OF FLOORS AND PROFESSIONAL CLEAN AFTER EQUIPMENT INSTALLATION, PRIOR TO OPENING. CLEANING SCHEDULE SHALL BE VERIFIED WITH CLIENT'S REPRESENTATIVE.

SYMBOL LEGEND

1 SP101 1	EXTERIOR ELEVATION MARKER	0	COLUMN GRID LABEL
		ROOM NAME 101	ROOM NAME & NUMBER
1 A101 1	INTERIOR ELEVATION MARKER	1	REVISION NUMBER
		1i	DOOR NUMBER
SIM 1 A101	SECTION MARKER		MISCELLANEOUS EQUIPMENT NUMBER
SIM 1 A101	SECTION / DETAIL		KITCHEN EQUIPMENT NUMBER
1 VIEW NAME SCALE:1/8" = 1'-0"	VIEW LABEL		FURNITURE NUMBER
X	KEYNOTE & WASHROOM ACCESSORIES NUMBER	N	NORTH ARROW
W1	WALL TAG		DIMENSION TARGET
	LEVEL TARGET	P1	FINISH TAG

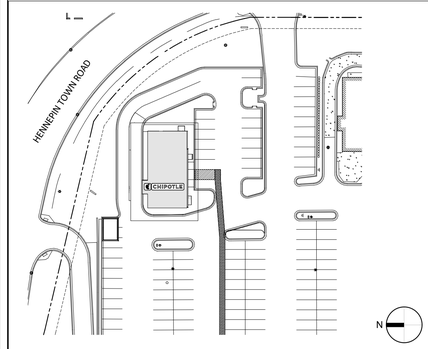
CHIPOTLE

STORE NUMBER: 5005

LOCATION: "PRESERVE VILLAGE"

ADDRESS: 9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347 (3)

SITE MAP



LOCATION MAP

SCOPE OF WORK

TENANT INTERIOR FIT OUT OF A VACANT SHELL SPACE. WORK INCLUDES, BUT IS NOT LIMITED TO, INTERIOR FINISHES, TOILET ROOMS, EXTENSION OF UTILITIES, AND MODIFICATIONS TO ACCOMMODATE A NEW RESTAURANT. OUTDOOR PATIO FURNITURE WILL BE INSTALLED. SIGNAGE IS UNDER A SEPARATE COVER.

UTILITY COORDINATOR / SIGNAGE

NOTE TO GENERAL CONTRACTOR
FOR ALL WATER, SEWER, NATURAL GAS, & ELECTRICITY UTILITIES CONTACT THE FOLLOWING

GAUCHER & ASSOCIATES INC.
2060 BALDWIN COURT
SEASIDE, CA 93955

CONTACT: PAUL GAUCHER
E: paul@gaucherinc.com
T: (831) 393-1760
F: (831) 393-2858

SIGNAGE VENDOR
JONES SIGN
1711 SCHEURING ROAD
DE PERE, WI 54115

CONTACT: JERRY SZYMANSKI

E: jszymanski@jonessign.com
P: (920) 241-3933

PROJECT TEAM

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PRESERVE VILLAGE, LLC
5101 VERNON AVENUE SOUTH
EDINA, MN 55436

CONTACT: BEN SHULTES
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P: (952) 922-8335

ARCHITECT
WILKUS ARCHITECTS, P.A.
15 NINTH AVENUE NORTH
HOPKINS, MN 55343

CONTACT: KENDRICK BOOTH
E: keb@wilkusarch.com
T: (952) 592-0032

STRUCTURAL ENGINEER
VAA ENGINEERING
2300 BERKSHIRE LANE N. SUITE
200 PLYMOUTH, MN 55441

CONTACT: TERRY MAHR
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T: (763) 577-9119

TENANT
CHIPOTLE MEXICAN GRILL
500 NEIL AVENUE, SUITE 400
COLUMBUS, OH 43215

CONTACT: HEATHER CONELY
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T: (380) 222-7248
C: (614) 816-1382

MECHANICAL ELECTRICAL PLUMBING ENGINEER
AYRES ASSOCIATES
1700 HIGHWAY 36 WEST, SUITE 700
ST. PAUL, MN 55113

MECH/PLMB CONTACT:
LICIA OLIGMUELLER
E: oligmuellerl@ayresassociates.com
T: (763) 258-7051

ELEC CONTACT: AMANDA ELMS
E: elmsa@ayresassociates.com
T: (763) 604-3112

REGULATORY AUTHORITIES

ZONING DEPARTMENT
CITY OF EDEN PRAIRIE
PLANNING DEPARTMENT
8080 MITCHELL ROAD
EDEN PRAIRIE, MN 55344

CONTACT: SARAH STRAIN
E: sstrain@edenprairie.org
T: (952) 949-8300

FIRE DEPARTMENT
CITY OF EDEN PRAIRIE
FIRE DEPARTMENT
8080 MITCHELL ROAD
EDEN PRAIRIE, MN 55344

CONTACT: JASON ALBERS
E: jalbers@edenprairie.org
T: (952) 949-8361

NATURAL GAS UTILITY
CENTERPOINT ENERGY
1240 W RIVER PKWY
MINNEAPOLIS, MN 55454

T: (612)321-4939

SEWER UTILITY
CITY OF EDEN PRAIRIE MN
8080 MITCHELL ROAD
EDEN PRAIRIE, MN 55344

T: (952) 949-8382

HEALTH DEPARTMENT
HENNEPIN COUNTY PUBLIC HEALTH
EPIDEMIOLOGY AND ENVIRONMENTAL HEALTH
1011 SOUTH FIRST STREET, SUITE 215
HOPKINS, MN 55343

CONTACT: TERRY HAMAL
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T: (612) 543-5200

BUILDING DEPARTMENT
CITY OF EDEN PRAIRIE
BUILDING INSPECTION DIVISION
8080 MITCHELL ROAD
EDEN PRAIRIE, MN 55344

CONTACT: KEN KRAGNESS
E: kkragness@edenprairie.org
T: (952) 949-8342

WATER UTILITY
CITY OF EDEN PRAIRIE MN
8080 MITCHELL ROAD
EDEN PRAIRIE, MN 55344

T: (952) 949-8382

ELECTRICAL UTILITY
XCEL ENERGY
9613 ANDERSON LAKES PKWY
EDEN PRAIRIE, MN 55347

T: (800) 628-2121

TELEPHONE UTILITY
COMCAST BUSINESS
12415 WAYZATA BLVD, SUITE 10
MINNETONKA, MN 55305

T: (855) 697-6920

SHEET INDEX

SHEET NO.	SHEET NAME	REVISION 1	2	3	4
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G001	CODE ANALYSIS - LIFE SAFETY PLAN				
G002	ACCESSIBILITY STANDARDS				
SPECIFICATIONS					
G010	ARCHITECTURAL SPECIFICATIONS				
G011	ARCHITECTURAL SPECIFICATIONS				
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G016	ARCHITECTURAL SPECIFICATIONS				
G017	ARCHITECTURAL SPECIFICATIONS				
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SP100	SITE PLAN				
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F100	FIRE PROTECTION PLAN				
HVAC					
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PLUMBING					
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P110	PLUMBING WASTE & VENT PLAN		•		
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E010	ELECTRICAL SPECIFICATIONS	•		•	
E100	ELECTRICAL LIGHTING PLAN	•		•	
E110	ELECTRICAL POWER PLAN	•	•	•	
E115	ELECTRICAL SITE PLAN			•	
E600	ELECTRICAL SCHEDULES		•	•	
E700	ELECTRICAL INTERIOR ELEVATIONS			•	
E705	ELECTRICAL INTERIOR ELEVATIONS			•	
E710	ELECTRICAL DETAILS			•	

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO. 2023-0144
DRAWN BY KDRB
CHECKED BY DRL / MMW

ISSUE RECORD:

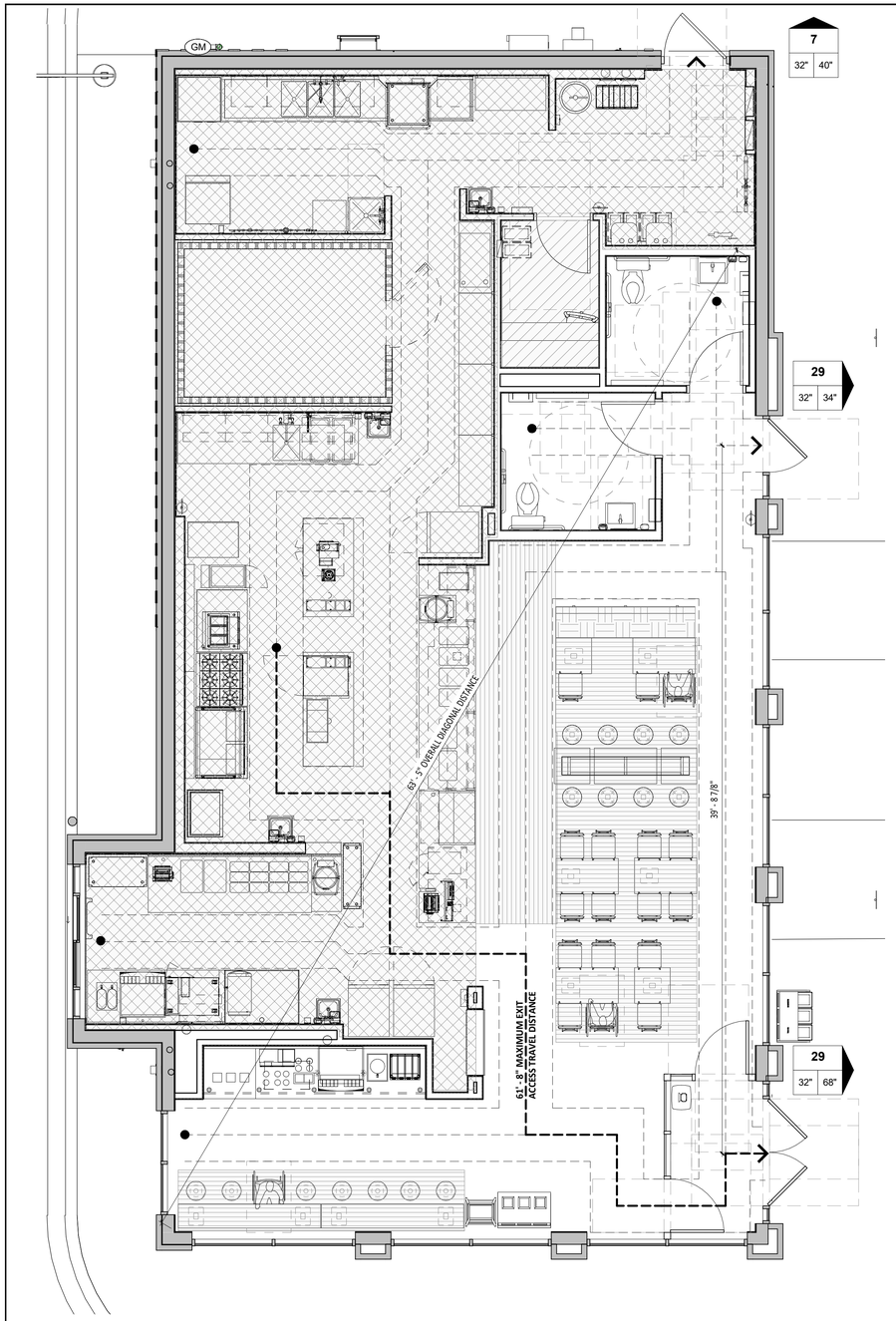
04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

3	08/26/2024	CONSTRUCTION SET

TITLE:
COVER SHEET

SHEET NUMBER:
G000



1 LIFE SAFETY PLAN

SCALE: 1/4" = 1'-0"

N

LIFE SAFETY GENERAL NOTES

A. LIFE SAFETY SYSTEMS SHALL BE DESIGNED PER APPLICABLE FIRE PREVENTION CODE, ORDINANCE OR LAW.
B. POST "NO PARKING - FIRE LANE" SIGNS ALONG APPROVED VEHICULAR ACCESS ROADS. COORDINATE LOCATIONS WITH LOCAL AUTHORITY HAVING JURISDICTION.
C. AN ALL WEATHER FIRE ACCESS ROAD SHALL BE IN PLACE BEFORE ANY COMBUSTIBLE MATERIALS ARE PLACED ON SITE. COORDINATE WITH LOCAL AUTHORITY HAVING JURISDICTION.
D. FIRE APPARATUS ACCESS ROADS SHALL BE UNOBSTRUCTED. ACCESS GATES SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE IN COMPLIANCE WITH O.S.H.A. GUIDELINES.
E. COMMERCIAL DUMPSTERS OR CONTAINERS WITH A CAPACITY OF ONE AND A HALF CUBIC YARDS OR GREATER SHALL NOT BE STORED OR PLACED WITHIN FIVE FEET OF COMBUSTIBLE WALLS OR OPENINGS, UNLESS THESE AREAS ARE PROTECTED BY AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM.
F. BUILDING ADDRESS NUMBERS SHALL BE PROVIDED AT THE FRONT OF THE TENANT SPACE AND SHALL BE VISIBLE AND LEGIBLE FROM THE PUBLIC RIGHT-OF-WAY AND A MINIMUM OF 6" HIGH. NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR.
G. THE ADDRESS SHALL BE PERMANENTLY POSTED ON UTILITY SERVICE DISCONNECTS IN NUMBERS A MINIMUM OF 1" TALL AND ON THE SERVICE DOOR IN NUMBERS A MINIMUM OF 4" TALL.
H. A KNOX BOX IS TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. VERIFY WITH THE LOCAL AUTHORITY THIS REQUIREMENT AND COORDINATE LOCATION AS REQUIRED.
I. COMPLETE PLANS AND SPECIFICATIONS FOR THE FIRE ALARM SYSTEMS: FIRE-EXTINGUISHING SYSTEMS, INCLUDING AUTOMATIC SPRINKLERS AND WET AND DRY STANDPIPES: HALON SYSTEMS AND OTHER SPECIAL TYPES OF AUTOMATIC FIRE-EXTINGUISHING SYSTEMS AND OTHER FIRE PROTECTION SYSTEMS AND APPURTENANCES SHALL BE SUBMITTED TO AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
J. ENGINEERED AUTOMATIC FIRE SPRINKLER SYSTEM PLANS, CALCULATIONS AND SPECIFICATIONS SHALL BE DESIGNED BY AN APPROVED INSTALLER AND SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ANY WORK BEING COMPLETED TO THE SYSTEM.
K. ENGINEERED AUTOMATIC FIRE ALARM AND DETECTION SYSTEM PLANS, CALCULATIONS AND SPECIFICATIONS SHALL BE DESIGNED BY AN APPROVED INSTALLER AND SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ANY WORK BEING COMPLETED TO THE SYSTEM.
L. THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE OR SIDEWALK AS REQUIRED TO MEET APPLICABLE CODES, ORDINANCES AND LAWS.
M. THE FIRE SPRINKLER SYSTEM SHALL BE SERVED BY A MONITORING METHOD AS REQUIRED BY THE APPLICABLE CODE, ORDINANCE OR LAW.
N. THE INSTALLATION AND MODIFICATION OF THE FIRE SUPPRESSION SYSTEM, INCLUDING ANSUL SYSTEM, SHALL COMPLY WITH THE BUILDING CODE AND N.F.P.A. MODIFICATIONS TO THE FIRE SUPPRESSION SYSTEM WILL BE PROVIDED, PERMITTED, INSTALLED AND INSPECTED UNDER A SEPARATE DEFERRED PERMIT APPLICATION.
O. THE INSPECTION, HYDROSTATIC TESTING AND FLUSHING OF THE AUTOMATIC FIRE SPRINKLER SYSTEM AND/OR FIRE HYDRANTS SHALL BE WITNESSED BY THE PROPER FIRE DEPARTMENT REPRESENTATIVE AND NO UNDERGRROUND PIPING SHALL BE COVERED OR HIDDEN FROM VIEW UNTIL THE PROPER FIRE DEPARTMENT REPRESENTATIVE HAS BEEN NOTIFIED AND GIVEN NO LESS THAN 48 HOURS IN WHICH TO INSPECT SUCH INSTALLATIONS.
P. FIRE ALARM SYSTEMS SHALL BE DESIGNATED AS CLASS "A" SYSTEMS.
Q. GENERAL CONTRACTOR SHALL CONTACT THE LANDLORD DURING THE BIDDING PHASE OF THE PROJECT FOR ANY REQUIREMENTS FOR THE FIRE ALARM SYSTEMS. THESE SYSTEMS, IF REQUIRED, SHALL BE INCLUDED IN THE BID AND CONSTRUCTION FOR THIS PROJECT.
R. REQUIRED EGRESS DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT AND SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE.
S. EXITS SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH LIGHTS HAVING AN INTENSITY OF NOT LESS THAN 11.0 LUX AT FLOOR LEVEL, OR AS DIRECTED BY LOCAL CODE.
T. EXIT SIGNS TO BE PROVIDED AND INSTALLED AS REQUIRED BY APPLICABLE CODES, ORDINANCES AND LAWS.
U. PROVIDE APPROVED EXITING ILLUMINATION AND ILLUMINATED EXIT SIGNS WHICH ARE POWERED FROM SEPARATE CIRCUITS AND COMPLY WITH THE BUILDING CODE.
V. OCCUPANT LOAD SIGN WITH MINIMUM 1" LETTERS AND NUMBERS SHALL BE POSTED NEAR MAIN EXIT.
W. EXIT LIGHTING AND SIGNS SHALL HAVE 6" HIGH LETTERING IN ACCORDANCE WITH LOCAL CODES. PROVIDE LOW LEVEL EXIT SIGNS PER CODE REQUIREMENTS.
X. FIRE DEPARTMENT FINAL INSPECTION REQUIRED.
Y. EXITS, EXIT SIGNS, FIRE ALARM PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL.
Z. FIRE EXTINGUISHER NOTES
   a. PROVIDE AND INSTALL FIRE EXTINGUISHERS AS DIRECTED BY AUTHORITY HAVING JURISDICTION. EXTINGUISHERS IN BACK OF HOUSE AREAS MAY BE IN BRACKETS, PUBLIC AREAS ARE TO BE ENCLOSED IN RECESSED CABINETS, PAINTED TO MATCH ADJACENT WALL FINISH.
   b. PROVIDE 'K' TYPE FIRE EXTINGUISHER IN KITCHEN AREAS, WITHIN 30'-0" OF TRAVEL FROM ANY POINT WITHIN THE KITCHEN OR FOOD PREPARATION AREAS. VERIFY INSTALLATION LOCATIONS WITH LOCAL FIRE MARSHALL PRIOR TO INSTALLATION.
   c. 5 LB. 'ABC' FIRE EXTINGUISHERS ARE REQUIRED WITHIN 75'-0" OF TRAVEL FORM ANY POINT IN PUBLIC AREAS. THEY MUST BE MOUNTED CONSPICUOUSLY, PREFERABLE ALONG NORMAL TRAVEL PATHS AND EXIT WAYS. VERIFY INSTALLATION LOCATIONS WITH LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.

CODE ANALYSIS

APPLICABLE CODES AND REGULATIONS

INCLUDES STATE AND LOCAL PROVISIONS TO THE BUILDING CODE	
BUILDING CODE:	2020 MINNESOTA BUILDING CODE
MECHANICAL CODE:	2020 MINNESOTA MECHANICAL CODE
PLUMBING CODE:	2020 MINNESOTA PLUMBING CODE
ENERGY CODE:	2024 MINNESOTA COMMERCIAL ENERGY CODE
FUEL GAS CODE:	2020 MINNESOTA FUEL GAS CODE
ELECTRICAL CODE:	2020 MINNESOTA ELECTRICAL CODE
FIRE CODE:	2020 MINNESOTA FIRE CODE W/ AMENDMENTS
FOOD CODE:	2019 MINNESOTA FOOD CODE
ACCESSIBILITY CODE(S):	2020 MINNESOTA ACCESSIBILITY CODE

BASIS OF DESIGN

CONSTRUCTION TYPE	TYPE V-B
OCCUPANCY TYPE	A-2
AREA FACTOR	SPRINKLERED, SINGLE STORY
BUILDING AREA	2,402 SQ FT
OCCUPANT LOAD	63 OCC.

CH3 - USE AND OCCUPANCY CLASSIFICATION

OCCUPANCY GROUP & FUNCTION	GENERAL DESCRIPTION OF SITE
FUTURE A-2; RESTAURANT	FIRST TENANT WITHIN EXISTING SHELL FOR RESTAURANT T.I.

CH5 - GENERAL BUILDING HEIGHTS & AREAS

OCCUPANY CLASSIFICATION	A-2
TYPE OF CONSTRUCTION	V-B
ALLOWABLE BUILDING HEIGHT	60'-0"
PROPOSED BUILDING HEIGHT (PER CHAPTER 2 DEFINITION)	14'-8"
PROPOSED TOTAL BUILDING HEIGHT (TALLEST PARAPET)	20'-8"
Aa = ACTUAL ALLOWABLE AREA	Aa = 6,000 SQ. FT.
PROPOSED BUILDING AREA	2,402 SQ. FT.

CH6 - TYPES OF CONSTRUCTION

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS		
BUILDING ELEMENT		**FIRE RATING REQUIRED**
PRIMARY STRUCTURAL FRAME		0 HOUR
BEARING WALLS	EXTERIOR	0 HOUR
	INTERIOR	0 HOUR
NON-BEARING WALLS	EXTERIOR	0 HOUR
NON-BEARING WALLS AND PARTITIONS	INTERIOR	0 HOUR
FLOOR CONSTRUCTION		0 HOUR
ROOF CONSTRUCTION		0 HOUR

CH8 - INTERIOR FINISHES

TYPE OF SPACE	FINISH CLASSIFICATION
INTERIOR EXIT PASSAGEWAYS	B
CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRS	B
ROOMS AND ENCLOSED SPACES	C

CH9 - FIRE PROTECTION & LIFE SAFETY

SPRINKLER SYSTEM:	SPRINKLERED
COMMENTS:	AUTOMATIC SPRINKLER SYSTEM REQUIRED AS THE CITY OF EDEN PRAIRIE HAS ADOPTED MN RULE 1306.
FIRE ALARM & DETECTION SYSTEM:	REQUIRED
FIRE EXTINGUISHERS:	REQUIRED

CH10 - MEANS OF EGRESS

FUNCTION OF SPACE	SQUARE FOOTAGE	LOAD FACTOR	OCCUPANT LOAD
STANDING SPACE	96	5 SF (NET)	20
FIXED SEATING	32 SEATS	1 SEAT/OCC.	32
FIXED SEATING - BOOTHS	94"	24" BOOTH LENGTH/ OCC..	04
KITCHEN (COMM.)	1,140	200 SF (GROSS)	06
BUSINESS AREA	45	150 SF (GROSS)	01
		POSTED OCCUPANT LOAD:	65

RESTAURANT SEATING COUNT	
INTERIOR SEATING COUNT	36
EXTERIOR (PATIO) SEATING COUNT	16
TOTAL SEATING COUNT	54

EGRESS REQUIREMENTS	FACTOR	OCC. LOAD	REQ'D WIDTH	PROP. WIDTH
EXIT DOORS	0.2	63	12.6"	142"
EXITS PER OCC. LOAD	2 REQUIRED		3 PROVIDED	
DIAGONAL DISTANCE OF AREA SERVED			63'-5"	
REQUIRED EXIT SEPARATION DISTANCE			21'-2"	
MAXIMUM TRAVEL DISTANCE ALLOWED			250'-0"	
MAXIMUM TRAVEL DISTANCE PROVIDED			61'-8"	
MAXIMUM COMMON PATH OF TRAVEL ALLOWED			75'-0"	
MAXIMUM COMMON PATH OF TRAVEL PROVIDED			39'-0"	
MINIMUM CLEAR EXIT WIDTH ALLOWED			36"	
CLEAR EXIT WIDTH PROVIDED			36"	

CH29 - PLUMBING SYSTEMS

PLUMBING FIXTURE REQUIREMENTS - BASED ON OCCUPANT LOAD = 79 OCC.

USE GROUP		REQ'D WC	PROP. WC	PROP. URINALS	REQ'D LAVS	PROP. LAVS
A-2	NON-GENDER SPECIFIC *	2	2	0	2	2
		REQUIRED FIXTURES		PROPOSED FIXTURES		
	DRINKING FOUNTAINS **	0		0		
	SERVICE SINK	1		1		

** WHERE RESTAURANTS PROVIDE DRINKING WATER IN A CONTAINER FREE OF CHARGE, DRINKING FOUNTAINS SHALL NOT BE REQUIRED IN THOSE RESTAURANTS.

ENERGY CODE

CLIMATE ZONE/ COUNTY:	6A / HENNEPIN COUNTY
ROOF, ABOVE DECK:	R-30.0ci
WALLS - ABOVE GRADE:	R-20.0 + R-5ci
SLAB-ON-GRADE:	R-20 FOR 24" BELOW
OPAQUE SWINGING DOORS:	U-.370
FIXED FENESTRATION:	U-0.340
ENTRANCE DOORS:	U-0.630

LIFE SAFETY LEGEND

MAXIMUM EXIT ACCESS TRAVEL DISTANCE (MINIMUM WIDTH AS INDICATED IN CODE ANALYSIS)

ACCESSIBLE PATH OF EGRESS

0' - 0" - (0' - 0") EXIT ACCESS TRAVEL DISTANCE (COMMON PATH IF APPLIES)

F.E. PROPOSED FIRE EXTINGUISHER LOCATION - GENERAL CONTRACTOR TO VERIFY THE EXACT TYPE, LOCATION(S) AND QUANTITIES WITH THE AUTHORITIES HAVING JURISDICTION PRIOR TO ORDERING AND INSTALLING FIRE EXTINGUISHERS

WALL MOUNTED EXIT SIGN

EGRESS AT DOORS

00
0.0" 00"

EGRESS BREAKDOWN:
OCCUPANTS SERVED
EXIT WIDTH REQUIRED
EXIT WIDTH PROVIDED

FUNCTION OF SPACE

ASSEMBLY, UNCONCENTRATED (STANDING ONLY)

ASSEMBLY AREA WITH FIXED SEATS

ASSEMBLY AREA WITH FIXED SEATS (BOOTHS)

KITCHENS, COMMERCIAL AREA

BUSINESS AREA

UNOCCUPIED AREAS (RESTROOMS, UNOCCUPIABLE SPACES, MEANS OF EGRESS)

ABBREVIATIONS

(E)	EXISTING CONSTRUCTION
(N)	NEW CONSTRUCTION
@	AT
AFF	ABOVE FINISH FLOOR
ARCH	ARCHITECT(URAL)
ASS	ALARM SYSTEM SUPPLIER
BD	BOARD
BLDG	BUILDING
CMU	CONCRETE MASONRY UNIT
CO2	CO2 SUPPLIER
CO2AS	CO2 ALARM SUPPLIER
DIM	DIMENSION(S)
EA	EACH
EL	ELEVATION (VERTICAL HEIGHT)
ELEC	ELECTRIC(AL)
ELEV	ELEVATION
EQ	EQUAL
EXT	EXTERIOR
FC	FOR CONSTRUCTION
FRP	FIBERGLASS REINFORCED PANEL
FRT	FIRE RETARDANT-TREATED
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
HES	TENANT'S HVAC EQUIPMENT SUPPLIER
HS	HOOD SUPPLIER
HVAC	HEATING AND VENTILATING
ICP	INITIAL COST PROJECTION
INT	INTERIOR
KES	KITCHEN EQUIPMENT SUPPLIER
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MSS	MUSIC SYSTEMS SUPPLIER
NIC	NOT IN CONTRACT
NO	NUMBER
OC	ON CENTER
OSB	ORIENTED STRAND BOARD
PDC	PROTECT DURING CONSTRUCTION
POS	POINT OF SALE
PREP	PREPARATION
QT	QUARRY TILE
R	RADIUS
RTU	ROOF TOP UNITS
SPS	SODA POP SUPPLIER
SS	SUPPORT SIGNAGE
T	TENANT
TAB	TENANT'S TEST & BALLANCE VENDOR
TBD	TO BE DETERMINED, SEE FIELD REFERENCE MANUAL
TCC	TENANT'S CABLING CONTRACTOR
TEMS	TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER
THS	TENANT'S HARDWARE SUPPLIER
TLS	TENANT'S LIGHT/LAMP SUPPLIER
TMB	TENANT'S MENU BOARD SUPPLIER
TMS	TENANT'S MILLWORK SUPPLIER
TP	TENANT'S PHONE SUPPLIER
TPS	TENANT PANELBOARD SUPPLIER
TRS	TENANT'S RAILING SUPPLIER
TS	TENANT'S SAFE SUPPLIER
TSS	TENANT'S SMART SAFE SUPPLIER
TSV	TENANT'S SIGN VENDOR
TUV	TENANT'S UV SUPPLIER
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
VIF	VERIFY IN FIELD
WCS	TENANT'S WALK-IN COOLER SUPPLIER
WHS	WATER HEATER SUPPLIER
Ø	DIAMETER OR ROUND

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:

CODE ANALYSIS - LIFE SAFETY PLAN

SHEET NUMBER:

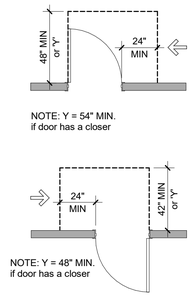
G001

2020 MINNESOTA ACCESSIBILITY CODE

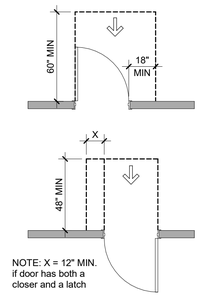
ALL INTERIOR CONSTRUCTION WITHIN THE SCOPE OF THIS PROJECT IS REQUIRED TO BE ACCESSIBLE AS SET FORTH IN THE **2015 MINNESOTA ACCESSIBILITY CODE, CHAPTER 1341*. SECTIONS INDICATED ON THIS SHEET REFERENCE THE **2010 ADA STANDARDS FOR ACCESSIBLE DESIGN*, UNLESS NOTED OTHERWISE.

DOORS

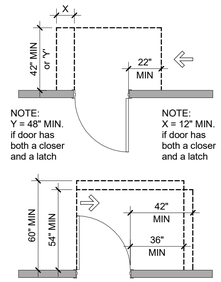
1. Doors, doorways, and gates that are part of an accessible route shall comply with 404.
2. Door openings shall provide a clear width of 32 inches, unless the opening is more than 24 inches deep, in which case the clear width of the opening shall be 36 inches. For swinging doors, the clear width shall be measured between the face of the door and the stop, with the door open 90 degrees.
3. There shall be no projections into the clear opening lower than 34 inches. Projections into the clear opening between 34 inches and 80 inches shall not exceed 4 inches.
4. In accordance with 404.2.3 exception 2, door closers and stops shall be permitted to be a minimum of 78 inches above the floor or ground.
5. Minimum maneuvering clearances at swinging doors shall comply with MN Accessibility Code Section 404.2.3, Table 404.2.3.2 and Figure 404.2.3.2.
6. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.
7. Hinged doors other than fire doors shall have an opening force of 5 pounds maximum.
8. Sliding doors shall have an opening force of 5 pounds maximum.
9. Door and gate surfaces shall comply with 404.2.10.
10. Doors shall be permitted to swing into turning spaces, per 304.4.



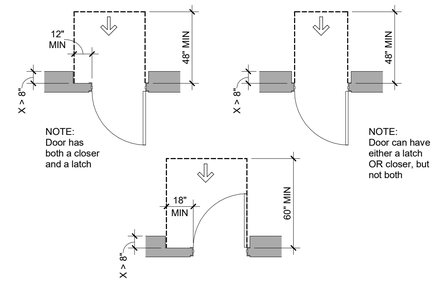
Latch-Side Approaches - Swinging Doors



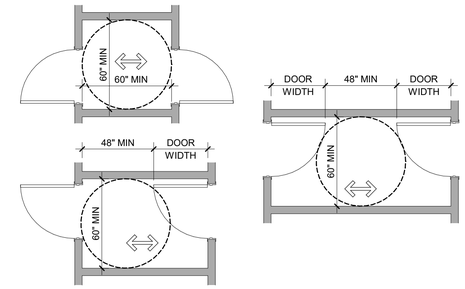
Front Approaches - Swinging Doors



Hinge-Side Approaches - Swinging Doors



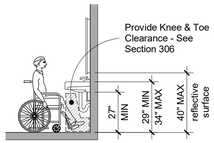
Recessed Doors and Gates



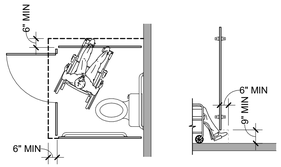
Doors in Series and Gates in Series

RESTROOMS & DRINKING FOUNTAINS

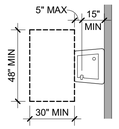
1. Where toilet facilities are provided, they shall comply with MN Accessibility Code Section 604. Where toilet rooms are provided, each toilet room shall comply with 603.
2. Where toilet compartments are provided, at least one toilet compartment shall comply with 604.8.1. In addition to the compartment required to comply with 604.8.1, at least one compartment shall comply with 604.8.2 where six or more toilet compartments are provided, or where the combination of urinals and water closets totals six or more fixtures.
3. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches maximum above the finish floor or ground.
4. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches minimum and 48 inches maximum above the finish floor.
5. Water closets shall comply with 604.2 through 604.8.
6. Toilet paper dispensers shall comply with MN Accessibility Code Section 604.7. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.
7. Grab bars shall be provided at water closets and shall comply with MN Accessibility Code Sections 604.5.
8. Urinals shall comply with 605 and shall be either wall-hung or stall type urinals.
9. Lavatories shall comply with 606. Faucets for lavatories shall comply with 606.4. Exposed pipes under lavatories shall be insulated or otherwise protected to prevent against contact.
10. Drinking Fountains shall comply with sections 307 and 602.
11. Clearance depth at an accessible water closet shall comply with MN Accessibility Code Section 604.3.2



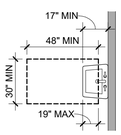
Clearances & Heights at Lavatory



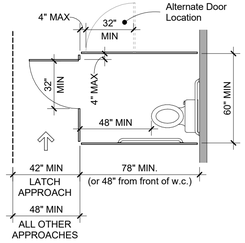
Stall Compartment Toe Clearance



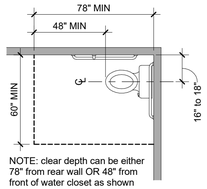
Drinking Fountain Clearance



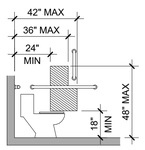
Lavatory Clearance



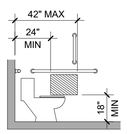
Standard Stall



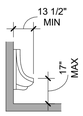
Clear Floor Space and Water Closet Location



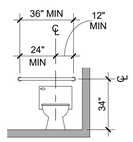
Recessed Toilet Paper Dispenser Location

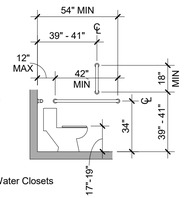


Protruding Toilet Paper Dispenser Location



Height and Depth of Urinal

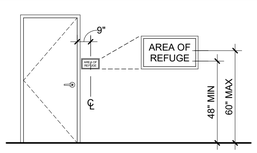


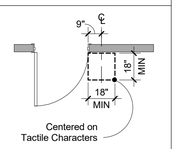


Grab Bars at Water Closets

SIGNAGE

1. Signs shall be provided in accordance with MN Accessibility Code Section 1110 and shall comply with 703.
2. Signs identifying permanent rooms and spaces shall comply with 703.1, 703.2, and 703.5. Where pictograms are provided as designations of permanent rooms and spaces, the pictograms shall comply with 703.6 and shall have text descriptors complying with 703.2 and 703.5.
3. Signs that provide direction to or information about spaces and facilities shall comply with 703.5.
4. Signs for means of egress shall comply with MN Accessibility Code Section 1110.4.
5. Where more than one check-out aisle is provided, check-out aisles complying with 904.3 shall be identified by the International Symbol of Accessibility complying with 703.7.2.1. Where check-out aisles are identified by numbers, letters, or functions, signs identifying check-out aisles complying with 904.3 shall be located in the same location as the check-out aisle identification.

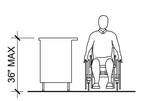


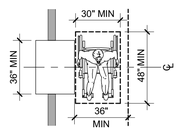


Centered on Tactile Characters

FOODSERVICE LINES, TABLEWARE AREAS & CHECKOUT AISLES

1. Where check-out aisles are provided, check-out aisles complying with 904.3 shall be provided in accordance with MN Accessibility Code Table 1109.12.2 and shall be dispersed.
2. Where provided, at least one of each type of sales counter and service counter shall comply with 904.4. Where counters are dispersed throughout the building or facility, counters complying with 904.4 also shall be dispersed.
3. Food service lines shall comply with 904.5. Where self-service shelves are provided, at least 50 percent, but no fewer than one, of each type provided shall comply with 308.
4. Queues and waiting lines servicing counters or check-out aisles required to comply with 904.3 or 904.4 shall comply with 403.
5. Check-out aisles and sales and service counters shall comply with the applicable requirements of 904.
6. All points of counters required to comply with 904 shall be located adjacent to a walking surface complying with 403.

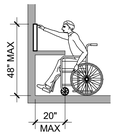


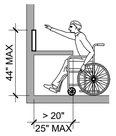


Parallel Approach at Sales & Service Counters

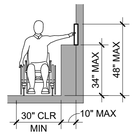
REACH RANGES, CONTROLS & OPERATING MECHANISMS

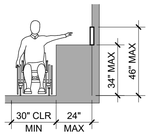
1. Reach ranges shall comply with 308.
2. Operable parts shall comply with 309 and shall be placed within one or more of the reach ranges specified in 308.
3. In accordance with 309.4, operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds maximum.



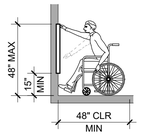


Obstructed Forward Reach

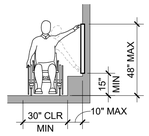




Obstructed Side Reach



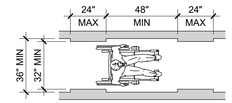
Unobstructed Forward Reach



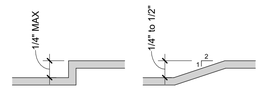
Unobstructed Side Reach

PATH OF TRAVEL

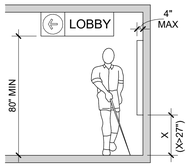
1. In accordance with MN Accessibility Code Section 1104, at least one accessible route shall connect accessible building or facility entrances with all accessible spaces and elements within the building or facility, which are otherwise connected by a circulation path unless exempted by 1104.3.1, exceptions 1-3.
2. The running slopes of walking surfaces that are part of an accessible route shall not be steeper than 1:20 with a cross slope that is not steeper than 1:48.
3. Changes in level shall comply with 303.
4. The clear width of walking surfaces on an accessible route shall comply with 403.5.1.
5. The clear width at turns along an accessible route shall comply with 403.5.2.
6. In accordance with 403.5.3, an accessible route with a clear width of less than 60 inches shall provide passing spaces at intervals of 200 feet.



Clear Width of an Accessible Route



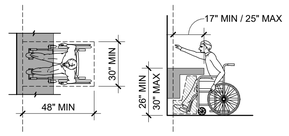
Changes in Level



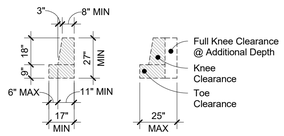
Walking Parallel To A Wall

SEATING AT TABLES & COUNTERS

1. Where dining surfaces are provided for the consumption of food and drink, at least 5 percent of the seating spaces and standing spaces at the dining surfaces shall comply with 902. In addition, where work surfaces are provided for use by other than employees, at least 5 percent shall comply with 902. Confirm actual seat counts with Table 221.2.1
2. Dining surfaces and work surfaces required to comply with 902 shall be dispersed throughout the space or facility containing dining surfaces and work surfaces.
3. Dining surfaces and work surfaces shall comply with 902.2 and 903.3.



Toe and Knee Clearances



CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:
ACCESSIBILITY STANDARDS

SHEET NUMBER:
G002

DIVISION 1 - GENERAL REQUIREMENTS

SECTION 01100 - SUMMARY

1.1 Contract Documents:

A. Contractor shall use the following Tenant provided documents in the negotiation and execution of the Work. Contact Tenant's office for copies of these documents:
   1. Chipotle Instructions to Bidders.
   2. Construction Contract for Chipotle Mexican Grill.

B. Definitions:
   1. The term "Owner" used in these documents refers to the building Owner/Landlord.
   2. The term "Tenant" used in these documents refer to the restaurant Tenant, Chipotle Mexican Grill, Inc.
   3. The term "Contractor" used in these documents refers to the entity responsible for performing the Work under Construction Contract for Chipotle Mexican Grill.

1.2 Scope of Work:

A. The Work shall include construction of the site and building facilities as shown and specified in these Specifications and Drawings.

B. When required and necessary, the Tenant will provide a subsurface exploration report as an attachment the bidding documents.

SECTION 01300 - ADMINISTRATIVE REQUIREMENTS

1.1 Coordination:

A. Immediately inform the Architect of discrepancies between the information indicated in the Contract Documents and existing project conditions, and of discrepancies between information indicated on the architectural, structural, mechanical, plumbing and electrical documents.

B. Prior to fabrication and installation of new components, field verify all existing and new dimensions and installation conditions that may affect the Work. Do not scale the drawings to establish locations of items that are not located using dimensions.
   1. All dimensions are to rough face of stud or centerline of structure, unless otherwise indicated.
   2. Verify that all Subcontractors have reviewed and coordinated locations of their equipment and furnishings exposed to view with the architectural drawings. Review questions with the Architect.

C. Coordinate new work indicated on the Contract Documents with new work that may be provided by the Owner and Tenant under separate contracts.

D. Coordinate the work of Vendors, Contractors and Subcontractors providing fixtures, furniture and equipment identified as "by Tenant" in these drawings and specifications.
   1. Notify the Tenant in timely fashion if any problems develop with the performance of these Vendors, Contractors or Subcontractors.

E. Coordinate the scheduling, sequencing, and the work of all trades and Subcontractors to assure efficient and orderly sequences of installation of interdependent construction elements.

F. Verify that the utility requirement characteristics of operating equipment are compatible with the building utility services. Coordinate work of the various specification sections having interdependent responsibilities for installing, connecting to, and placing in service such equipment.

G. Coordinate the installation and physical space requirements of plumbing, mechanical and electrical work that are indicated diagrammatically on the drawings. Follow routing shown for piping, ducts and conduit as closely as practical. Install runs parallel with and perpendicular to the line of the building. Utilize spaces as efficiently as possible to maximize accessibility for other work installation and for maintenance and for repair.
   1. Conceal piping, ducts and conduit within the construction, except as otherwise indicated.
   2. Coordinate locations of registers, fixtures and outlets with finish elements.

H. Coordinate completion and cleanup work of all trades and Subcontractors in preparation for Substantial Completion.

I. To minimize disruption of Tenant's activities after Tenant occupancy of the property, coordinate access to the property with the Tenant's Construction Manager for correction of defective work and work not in accordance with the Contract Documents.

1.2 Submittals:

A. Only when indicated in the specifications or drawings submit shop drawings, product data, and/or samples to the Architect, Design Manager, and Development Analyst for review. All submittals shall be made directly to the Architect by the general contractor. Only submittals for specified products will be accepted unless prior approval has been obtained for a substitution (refer to Section 01630).

Shop drawings: Submit electronic copies of each sheet of drawings. Shop drawings are original drawings prepared by the subcontractor or vendor for the purpose of conveying information to the Architect and/or Engineer on how a building element or product will be constructed in sufficient detail for the Architect and/or Engineer to determine compliance with the design intent.

In all cases one copy of the submittal shall be returned to the General Contractor. Electronic submittals for shop drawing or product data in either PDF or DWF format are acceptable for review. All submittals, regardless of format, must bear the General Contractor's stamp indicating the submittal has been reviewed and approved. Any submittal not meeting the requirements set forth will be rejected by the Architect.

Submittals shall be made with respect to the construction schedule to allow for adequate review time: allow (5) business days for review of submittals for any structural steel, canopies and trusses and allow (3) business days for review of submittals in all other divisions. Review timeline will commence from the time the submittal with General Contractor's approval stamp is received by the Architect, Design Manager, and Development Analyst.

1.3 Requests For Information

A. In the event that the general contractor, or a subcontractor, at any tier, determines that some portion of the drawings, specifications, or other contract documents requires a clarification or interpretation by the architect, the general contractor shall submit a Request For Information in writing to the architect in an electronic copy.

Requests for Information may only be submitted by the general contractor and may only be submitted to the architect. The general contractor shall clearly and concisely set forth the issue for which clarification or interpretation is sought and why a response is needed from the architect or the architect's consultants. In the Request for Information, the general contractor shall set forth an interpretation or understanding of the requirement along with an explanation of why such an understanding was reached.

B. The architect will review all Requests for Information to determine whether they are Requests for Information within the meaning of this term. If the architect determines that the document is not a request for information, it will be returned to the general contractor, un-reviewed as to content, for re-submittal in the proper form and in the proper manner.

Responses to Requests for Information shall be issued upon receipt, but no later that five (5) working days of receipt of the Request from the general contractor; unless the architect determines that a longer amount of time is necessary to provide an adequate response. If a longer amount of time is determined necessary by the architect, the architect will, within five (5) working days of receipt of the Request, notify the general contractor of the anticipated response time. If the general contractor submits a Request for Information on an activity with five (5) working days or less of float on the current project schedule the general contractor shall not be entitled to any time extension due to the time it takes the architect to respond to the Request provided that the architect responds within the parameters set forth above.

C. Responses to Requests for Information from the architect will not change any requirements of the contract documents. In the event that the general contractor believes that a response to a Request For Information will cause a change to the requirements of the contract documents, the general contractor shall immediately give written notice to the architect and the tenant stating that the general contractor considers the response to be a Change Order. Failure to give such written notice immediately shall waive the general contractor's (or any subcontractor's) right to seek additional time or cost under the Administrative Requirements of these contract documents.

SECTION 01400 - QUALITY REQUIREMENTS

1.1 Regulatory Requirements:

A. Perform all work in accordance with applicable local, state, and federal building codes, plumbing codes, mechanical codes, electrical codes, ordinances and rules and regulations governing food service establishments.

B. Comply with local, state and federal requirements governing accessibility.

C. Obtain all required demolition and erosion control permits required by authorities having jurisdiction.

1.2 Quality Control:

A. Maintain quality control over manufacturers, suppliers, products, services, site conditions and workmanship, to produce work of specified quality.

B. Comply with manufacturer's instructions and applicable trade standards.

C. Handle, install, connect, clean, condition and adjust products in strict accordance with manufacturer's instructions and complying with specified requirements.
   1. Request clarification from the Architect before proceeding, where manufacturer's instructions conflict with the Contract Documents.

D. Comply with specified standards as a minimum quality for the Work, except when more stringent tolerances, codes or specified requirements indicate higher standards or more precise workmanship.

E. Perform work by persons qualified to produce workmanship of the specified quality. Secure products in place with positive anchorage devices designed, sized and installed to withstand stress, vibration, physical distortion or disfigurement.

F. All dimensions shall be considered "hold-to" dimensions unless indicated otherwise (e.g. minimum or maximum dimensions.)

1.3 Testing:

A. Employ and pay for the services of an independent testing laboratory to perform inspections, tests and other services when required.

B. Include inspection and tests as indicated in the specification sections, drawings, and as required by authorities having jurisdiction.
   1. Test concrete in accordance with Section 03300 and drawing requirements.
   2. Test structural steel in accordance with Section 05110 and drawing requirements.

SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS

1.1 Provide temporary facilities and controls as shown and specified:

A. Codes and Standards: Provide temporary construction facilities and controls complying with all applicable local, State and Federal local laws, regulations and codes and utility company requirements.

B. Temporary Heating, Ventilating and Cooling:
   1. Provide, pay for and maintain all temporary heating, ventilating and cooling equipment and facilities required during the progress of the work to protect materials, finished work, and equipment against damage from low and high temperatures and humidity.
   2. Provide temporary heating, ventilating and cooling when the outside temperature and humidity is low/high enough to damage or affect in any way the performance or quality of material and product stored in the building, in any temporary storage area, or any material or product incorporated into the work.
   3. Provide temporary heating, ventilating and cooling when the outside temperature and humidity is low/high enough to significantly slow or hamper effectiveness of workers and to provide suitable working conditions.

C. Temporary Electrical Lighting and Power:
   1. Provide, pay for and maintain all temporary electrical service for lighting and power required during the progress of the work. Include all necessary wiring, fuses, disconnect switches, safety devices, junction boxes, panels, ground fault protections, and transformer if required. Include cost for providing temporary electric generators in the Contract Sum, if temporary electric service is not available for use during progress of the work.
   2. Temporary service and lighting and power items and installations shall conform to the requirements of the NFPA National Electric Code and OSHA Occupational Safety and Health Act of 1970.

D. Water: Provide, pay for and maintain all temporary water required during the progress of the work. Include all necessary storage tanks, piping, valves, fittings, hose and hose connections during construction and testing.

E. Temporary Toilets: Provide, pay for and maintain temporary toilet facilities for use by the Contractor, Contractor's employees and all Subcontractors and Subcontractors' employees. Comply with all local requirements for installation, use and maintenance of temporary toilet facilities.

F. Barriers and Enclosures:
   1. Provide temporary construction barriers in accordance with project requirements. Exercise all necessary precautions to protect adjacent properties, outside project contact limits, during progress of the work. Take special precautions to avoid damage to existing overhead and underground utilities and services owned or operated by the Owner or by public or private utility companies.
   2. Provide temporary weather-tight enclosures at exterior openings to provide acceptable working conditions and protection of materials and to allow for temporary heating, ventilating and cooling.

G. Field Office, Telephone and Email:
   1. Provide and maintain a temporary field office at the project site during progress of the work. A designated area within the existing building will be available for use as a temporary field office. Verify area size and location with the Tenant.
   2. Maintain copies of permits, approved shop drawings, specifications, addenda and record documents at field office.
   3. Provide temporary telephone service and internet service with email and photo capabilities to field office throughout progress of the work.
   4. Provide weekly photographic documentation of project progression to Tenant.

H. Safety and Security
   1. Provide and maintain all necessary safety provisions for protection and safety of the project work, workers and general public.
   2. Provide and maintain operable fire extinguishing devices in well-marked, accessible locations throughout the project. Provide types, quantities and locations in compliance with governing codes and ordinances.
   3. Provide all necessary security barriers and enclosures to protect the work and Tenant's operations from unauthorized entry of persons, vandalism and theft. Provide doors, when required, with self-closing hardware and locks.

I. Cleaning
   1. During Construction: Provide an approved on-site container for the use of all Contractors and Subcontractors for the collection of waste materials, debris and rubbish. Execute periodic cleaning to keep the work, the site and adjacent properties free from accumulations of waste materials, rubbish and windblown debris, resulting from construction operations. Remove crates and cartons in which materials, equipment, or fixtures are received to on-site containers daily.
      a. Maintain the property in a clean and orderly condition. Remove waste materials, debris and rubbish from the site on a daily basis and dispose of at legal disposal areas away from the site.

   2. Dust Control:
      a. Remove debris and rubbish from pipe chases, plenums and other similar closed or remote spaces prior to covering or enclosing the space.
      b. Sweep and vacuum clean interior surfaces before start of surface finishing and painting. Continue cleaning on an as-needed basis until finishing and painting is completed.
      c. Cleaning operations shall be acceptable to the Tenant's Construction Manager.

SECTION 01630 - SUBSTITUTIONS

1.1 General:

A. Products, including materials, equipment and systems described in the Contract Documents establish the standards of required function, dimension, appearance, quality and performance of the Work. Base all bids on the "Standards" indicated.

B. Requests by the Contractor for changes in products, manufacturers, fabricators, suppliers, installers, and methods of construction required by the Contract Documents are considered requests for "substitutions:" Substitutions will be considered only under the following conditions:
   1. The indicated "Standard" cannot be provided within the Contract Time
   2. The indicated "Standard" cannot receive necessary approval by the governing authority.
   3. A substantial advantage is offered the Owner, in terms of cost, time, energy conservation or other considerations of merit as determined by the Architect.

C. Submit each request for substitution to the Architect. Identify the product, manufacturer, fabricator, supplier, installer or the fabrication or installation method to be replaced in each request. Identify related Specification Section and Drawing numbers. Provide documentation as directed by the Architect.

D. Substitutions will not be considered when indicated on shop drawings or product data submittals without separate written request, when requested directly by subcontractor, manufacturer, fabricator, or supplier, or when acceptance will require substantial revision of the Contract Documents.

E. Substitute products, manufacturers, fabricators, suppliers, and installers shall not be used for the Project without Tenant and Architect's written acceptance.

SECTION 01700 - EXECUTION REQUIREMENTS

1.1 Preparation:

A. Protection of existing construction: Use all necessary care and appropriate means and methods to protect and prevent damage to existing construction and property not part of the Contract Work. Repair and refinish or replace construction an property damaged during construction work, at Contractor's expense.

1.2 Selective Demolition: Provide selective demolition as shown and specified.

A. Preparation:
   1. Coordinate work of this Section with work of various Contractors and Tenant's staff.
   2. Maintain protected access at all times.
   3. Erect and maintain weatherproof closures at exterior openings.
   4. Erect and maintain dust-proof interior partitions to prevent spread of dust or fumes.
   5. Erect and maintain barricades, enclosures, bracing, shoring, lights, warning signs and guards necessary for worker and public safety and protection of property.
   6. Disconnect, remove and cap designated utility services. Identify and mark locations of disconnected and capped utilities at the project site and on Project Record Documents.
   7. Notify and coordinate with the Tenant's Construction Manager and the building Owner for any demolition occurring outside the lease limit.
   8. Coordinate hours of operation and construction access with the Tenant's Construction Manager and the building Owner.

B. Selective Demolition
   1. Remove existing construction to accommodate new construction as indicated.
   2. Perform selective demolition in an orderly, systematic and careful manner with least possible disturbance to public and adjacent property. Use of explosives is prohibited.
   3. Immediately remove from the site and legally dispose of demolished materials, except as indicated otherwise. Do not burn or bury materials on the project site.

1.3 Cleaning

A. Final Cleaning: Perform final cleaning upon completion of project work.
   1. Remove waste and surplus materials, rubbish, tools, equipment and temporary construction facilities from the site.
   2. Clean exterior grounds; remove stains, spills and foreign materials from paved areas, power wash and sweep clean. Rake clean landscaped surfaces of the grounds.
   3. Remove temporary protection and labels not required to remain.
   4. Clean all finished surfaces. Remove grease, mastic, adhesives, dust, dirt, stains, fingerprints, labels and other foreign materials from exposed interior and exterior surfaces.
      a. Clean all plumbing, fire protection and electrical fixtures and equipment including ceiling area elevated ductwork and lighting fixtures.
      b. Clean permanent equipment filters and replace temporary disposable filters in mechanical units used during construction.
      c. Clean ducts, blowers and coils if mechanical units were operated without filters during construction.
   5. Clean interior and exterior glazing and mirrors, polish transparent and glossy surfaces and clean floors with appropriate materials and equipment.
   6. Remove waste, foreign material and debris from roofs, areaways and drainage systems.
   7. Before Tenant occupancy, conduct an inspection, with the Tenant, of exposed interior and exterior surfaces at all work areas, to verify that the entire work is clean.

1.4 Starting and Adjusting:

A. Prior to Substantial Completion, coordinate the start-up, test and balance, placement in operation and adjustment all systems, controls and equipment to verify proper operation. All systems shall be complete and operating prior to final inspection.

1.5 Contract Closeout:

A. Operation and Maintenance Data: Submit one operation and maintenance manual, bound in 8-1/2" x 11" text pages, three D side ring capacity expansion binders with durable plastic covers.
   1. Subdivide the binder contents internally with permanent dividers logically organized as described below. Provide tab titles clearly printed under reinforced laminated plastic tabs.
   2. Provide a table of contents with each product or system description identified.
   3. Provide a directory listing names, addresses, and telephone numbers of the project Architect/Engineer, Contractor, Subcontractors and major equipment suppliers.
   4. Prepare operations and maintenance instructions arranged by system and subdivided by specification section. Identify names, addresses, and telephone numbers of project Subcontractors and suppliers. For each category, identify the following:
      a. Significant design criteria.
      b. List of equipment.
      c. Parts list for each component.
      d. Operating instructions.
      e. Maintenance instructions for each equipment item and systems.
      f. Maintenance instructions for special finishes, including recommended cleaning methods and materials and special precautions for identifying detrimental agents.
   5. Submit operations and maintenance data to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.

B. Record/As Built Documents:
   1. Prepare and maintain on site one set of the following record/as built documents:
      a. Contract Documents.
      b. Construction Documents.
      c. Change orders and other modifications to the Contract.
      d. Shop drawings, product data, and samples.
      e. Construction schedule.
   2. Store record/as built documents separate from documents used for construction.
   3. Record actual revisions to the Work, concurrently with construction progress.
   4. Legibly mark and record a description of actual products installed at each specification section, including the following:
      a. Manufacturer's name and product model and number.
      b. Approved product substitutions or alternates utilized.
      c. Changes made by addenda, change orders, and other modifications.
   5. Legibly mark each item to record actual construction, including the following:
      a. Measured depths of foundations in relation to finish first main floor datum.
      b. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
      c. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the work.
      d. Field changes of dimension and detail.
      e. Details not on original Contract Document drawings.
   6. Submit record/as built documents to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.

C. Warranties and Bonds:
   1. Compile warranties and bonds required by the Contract Documents.
   2. Submit duplicate copies of warranties and bonds to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.

D. Maintenance Materials and Spare Parts:
   1. Provide extra maintenance materials and spare parts in quantities indicated in the specification sections.
   2. Place in location as directed by the Tenant's Construction Manager.

DIVISION 2 - SITE CONSTRUCTION

1.1 General: Provide site construction work, including services, utilities, earthwork, paving and landscaping in accordance with the site construction work drawings and details.

2.1 Materials:

A. Stencils for pavement markings: Pavement Stencil Comapny, P: (800) 250-5547, stencils@pavementstencil.com

DIVISION 3 - CONCRETE

SECTION 03300 - CAST-IN-PLACE CONCRETE

1.1 General: Provide cast-in-place concrete work in accordance with the General Structural Notes, structural drawing and details. Follow shell building documents for specifications, joints and geotech.

A. Standards: Materials and construction shall conform to the following:
   1. ACI 117 "Standard Tolerances for Concrete Construction and Materials."
   2. ACI 301 "Structural Concrete for Buildings."
   3. ACI 305R "Recommended Practice for Hot Weather Concreting."
   4. ACI 306R "Recommended Practice for Cold Weather Concreting."
   5. ACI 315 "Details and Detailing of Concrete Reinforcement."
   6. ACI 318 "Building Code Requirements for Reinforced Concrete."

2.1 Materials:

A. Under Slab Vapor Retarder: Stego Industries LLC, 877-464-7834, internet www.stegoindustries.com high density polyethylene Stego Wrap (10 mil) Vapor Barrier meeting or exceeding ASTM E1745 performance criteria for Class C vapor retarders.
   1. Seam Tape: High density polyethylene tape with pressure sensitive adhesive.
   2. Pipe boots: Shop or site fabricated from vapor retarder material and seam tape.

B. Concrete:
   1. Portland Cement: ASTM C150, Type I
   2. Aggregate: ASTM C33.
   3. Water: Clean and potable.
   4. Reinforcement: When required, comply with drawings reinforcement requirements.
   5. Compressive Strength: Minimum 3000 psi at 28 days.
   6. Admixtures: All admixtures shall be approved by the Tenant's Construction Manager prior to placement in the concrete mix.

C. Topping Concrete: When required to suit installation conditions, Ardex Diama-Top of Ardex Engineered Cements (888) 512-7339, internet www.ardex.com
   1. ULTRAFLOR ARDEX DIAMA-TOP, self-leveling concrete repair material.
   2. Any pinholes that need to be filled shall be filled with ARDEX DIAMA-FILL filling compound for polished concrete, concrete terrazzo and other cementitious wear surfaces applied at the appropriate time during the polishing process.
   3. The primer for areas to receive ARDEX DIAMA-TOP will be ARDEX EP 2000 Substrate Preparation Epoxy.
   4. Installation shall be performed by factory-trained professional applicators in strict accordance with manufacturer's installation instructions.

3.1 Installation

A. Vapor Retarder: Place, protect and repair vapor retarder sheets in accordance with ASTM E1643 and manufacturer's installation instructions.
   1. Provide a single layer of vapor retarder material over level compacted slab base.
   2. Lap joints and seams 6 inches and seal with seam tape.
   3. Seal all penetrations and repair damaged areas before concrete placement.

B. Reinforcement Place and inspect all reinforcing steel before concrete is placed.

C. Concrete Placement:
   1. Place cast-in-place concrete in accordance with ACI 301 and ACI 305R and 306R recommended practices for hot weather and cold weather concreting. Do not place concrete when temperature is below 40 degrees F.
   2. Wet cure concrete in accordance with ACI 301, using moist curing or moisture-retaining covers

D. Finish: Except where additional floor finish is scheduled, provide a smooth steel trowel finish.
   1. Exposed concrete used as a finish floor surface shall have a smooth finished surface, uniform in texture and appearance and free of trowel marks and other defects affecting ease of maintenance.
   2. Grind smooth surface defects as directed by the Tenant's Construction Manager.

E. Testing: When required, comply with drawings and specification sections testing requirements.

F. Topping Concrete: Prepare concrete floor slab substrate surfaces, prime substrate surfaces, mix, install and finish topping concrete in accordance with manufacturer's application instructions.

SECTION 033600 - RESINOUS FLOORING

1.1 General: Section includes: Decorative resinous flooring systems.

1.2 System Description:

A. Performance Requirements: Provide resinous flooring that has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.
B. Alternate Flooring Options as approved by CMG DM: AIFlooring TerraQuartz (color: salt & pepper) -or- AIFlooring TerraSeal (color: medium grey)

1.3 Quality Assurance:

A. Qualifications:
   1. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
      a. Installer shall be an established company with at least 3 years experience in the installation of polymer floors.
      b. Contractor shall demonstrate the ability to undertake and complete the required work and furnish documentation regarding the successful completion of projects of similar size and complexity.
   2. Manufacturer Qualifications: Manufacturer shall be capable of providing technical support, qualified applicators, and approval of application methods.

B. Pre-installation Meetings: Conduct a pre-installation meeting to verify flooring system specifications (color, texture, etc.), substrate analysis, and manufacturer's installation instructions.

C. Pre-installation Testing: Conduct pre-installation testing as follows:
   1. Water Vapor Transmission: Calcium Chloride tests should be conducted to determine the amount of water vapor coming through the slab. The results should be compared to limitations set forth by the manufacturer.
   2. Core Sample Testing: (optional) Core samples should be taken and analyzed if the installer believes there to be a problem with the integrity of the substrate that may affect flooring system performance.

1.4 Delivery, Storage & Handling:

A. Ordering: Comply with manufacturer's ordering procedures and allow for enough lead-time for custom blends so as not to interfere with construction schedules.

B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials where they are protected from direct sunlight and harmful weather conditions. Meet manufacturer's condition for temperature, humidity, etc.

1.5 Project Conditions:

A. Environmental Requirements/Conditions: Substrate and ambient air temperatures shall be in accordance with manufacturer's requirements.

B. Temperature Requirements: Maintain air temperature in spaces where products will be installed for time period before, during and after installation as recommended by manufacturer.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:

ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:

G010

2.1 Materials:

A. Resinous Flooring: Manufacturer: aiflooring
1. Contact: 1218 West 41st Street, Suite B, Tulsa, Oklahoma 74107. Phone: 918-445-0627

2.1 Flooring System:

A. System Description: Clear, thin film system 18-22 mils thick with texture agent added for slip resistance.
1. TerraPrime: A 2 component, 100% solids clear polyamide-cured epoxy coating.
2. TerraThane Satin: A 2 component, 90% solids polyurea clear finish coat.
3. TerraGrip: A graded, plastic aggregate added to finish coat for slip resistance.

2.3 Product Substitutions:

A. Substitutions: No substitutions permitted.

2.4 Source Quality:

A. Source Quality: Obtain resinous materials, including patching and leveling materials from a single manufacturer.

3.1 Manufacturer's Instructions:

A. Compliance: Comply with manufacturer's product data, including product technical data sheets and application instructions.

3.2 Examination:

A. Site Verifications of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.
1. Before applying materials, inspect surfaces to receive new materials and report any unsatisfactory conditions. Absence of any such report shall constitute installer's acceptance of surfaces as satisfactory for installing materials.

3.3. Preparation:

A. Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage during product installation.

B. Surface Preparation:
1. Mechanical Cleaning: Concrete floor surfaces receiving polymer flooring systems shall be thoroughly cleaned and prepared by shotblasting and/or diamond grinding.
2. Patching Damaged Substrate: Holes, voids, static cracks, and other substrate surface defects should be patched and repaired according to manufacturer's recommendations.
3. Prepare and clean control joints well and fill with an appropriate elastomeric.

3.4 Installation:

A. Resinous Flooring Installation: The following are abbreviated guidelines that should provide for basic application steps for the installation of the systems. Detailed instructions should be obtained from the manufacturer.
1. Patching: After substrate preparation, surface defects shall be patched according to manufacturer's recommendations.
2. Priming: Apply aiflooring TerraPrime, 100% solids epoxy primer, at a rate of 125-150 square feet per gallon. Allow 6-12 hours (depending on temperatures) of cure before applying finish coat. Finish coat must be applied within 24 hours of TerraPrime application.
3. Finish Coat: Apply aiflooring TerraThane Satin, 90% solids polyurea topcoat, at a rate of 200 square feet per gallon. TerraGrip should be added to the TerraThane mix at a rate of 1 pint per 3 gallon kit for slip resistance. Note that TerraThane Satin must be metered out by notched squeegee prior to rolling.

B. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

3.5 Protection:

A. Protection: Protect installed product and finish surfaces from damage during construction.

SECTION 03395 - CONCRETE SEALING AND POLISHING

1.1 General: Provide a sealed and polished concrete floor finish as shown and specified.

A. Standards
1. American Society for Testing and Materials:
a. ASTM-C779, Standard Test Method for Abrasion Resistance of Horizontal Concrete Surfaces.
b. ASTM G23-81, Ultraviolet Light & Water Spray
c. ASTMC805, Impact Strength
2. American Concrete Institute
a. ACI 302. 1R-89, Guide for Concrete Floor and Slab Construction

B. Submittals: Provide the following:
1. Manufacturer's product data, specifications and installation instructions. Include Material Safety Data Sheets (MSDS) and identify application requirements, curing time and safety requirements.
2. Certified test reports, prepared by an independent testing laboratory, confirming compliance with performance criteria.
3. Manufacturer's certification that installer is a certified applicator of special concrete floor finishes, and familiar with manufacturer's installation procedures and requirements for the specified sealed and polished concrete floor finish.
4. Manufacturer's and installer's written acceptance of substrate surface and installation conditions.

C. Quality Assurance:
1. Installer Qualifications:
a. Use a certified installer and adequate number of skilled workmen who are thoroughly trained and experienced in the necessary craft.
b. The special concrete finish manufacturer shall certify the applicator.
c. Applicator shall be familiar with the specified requirements and the methods needed for proper performance of work of this section. Applicator shall have not less than three years successful experience installing sealed and polished floor finishes similar to those required for this project.
d. Provide a letter of certification from special concrete finish manufacturer stating that installer is a certified applicator and is familiar with proper procedures and installation requirements required by the manufacturer.
2. Protection: Contractor shall provide all necessary materials, means, methods and procedures acceptable to the floor finish manufacturer and required to protect the concrete floor surface and provide a suitable substrate for the installation of the specified sealed and polished concrete floor finish.

D. Project Conditions:
1. Comply with the floor finish manufacturer's environmental limitations for substrate temperature and moisture content, ambient temperature, and humidity, ventilation and other conditions affecting the special floor finish performance.
a. Concrete must have an average Floor Flatness rating of at least 40.
b. Concrete must have an average Floor Levelness rating of at least 40.
c. Concrete must be cured a minimum of 28 days or as directed by the manufacturer before application of RetroPlate can begin. Wet cure of the concrete is preferred. No concrete sealer is necessary.
d. Application of RetroPlate shall take place prior to installation of equipment, thus providing a complete, uninhibited concrete slab for application.
2. Before general sealer/hardener application, prepare and coat a jobsite test area of size acceptable to the Architect, to verify and approve proper surface preparation, application techniques and coverage rate.
3. Close finished floor areas to traffic during floor finish application and after application for time period directed by the floor finish manufacturer.
4. The completed RetroPlated slab will be covered to prevent damage by the other trades during store completion.

2.1 Materials

A. Hardening/ Sealing Agent
1. RetroPlate 99 manufactured by Advanced Floor Products Inc. (801) 812-3420 www.retroplatesystem.com
2. RetroGuard Stain Inhibitor
3. Joint Filler: CreteFill Pro 75. Two component 100% solids non-staining Polyurea Elastomer.
4. Spall Repair: Multiple minor surface defects and irregularities: Crete Fill Spall Repair: High Strength hybrid urethane, two part 100% solids.
5. Coefficient of friction for Retroguard finish shall not be lower than .40.
6. Manufacturer's Representative: Contact Scott Maxfield at RetroPlate for a list of Certified Applicators (888)942-3144 scott.maxfield@retroplatesystem.com

3.1 Installation

A. Surface Conditions
1. Examine substrate, with installer present, for conditions affecting performance of finish. Correct conditions detrimental to timely and proper work. Do not proceed until unsatisfactory conditions are corrected.
2. Verify that base slab meets finish and surface profile requirements in Division 3 Section "Cast-In-Place Concrete," and Project Conditions above.
3. Prior to application, verify that floor surfaces are free of construction latents.

B. Application
The following RetroPlate process will be followed as listed below:
A concrete grinding machine must be used. Please proceed accordingly. The process is as follows:
1. Floors should be started using 50, 80 or 100 grit diamond pucks depending on the condition of the slab.
2. Clean the floor using automatic scrubber or comparable.
3. Grind floor using 200 grit resin diamonds.
4. Clean the floor using automatic scrubber or comparable.
5. Apply RetroPlate 99 to floor at 200 sq. ft. per gallon, scrubbing product into the floor and allowing product to soak until turning slick. If it becomes sticky, apply water to the surface as necessary, leaving the product on the floor for at least 60 minutes.
6. Grind floor using 400 grit resin diamonds.
7. Clean the floor using automatic scrubber or comparable.
8. Clean and remove any excess RetroPlate. Let the floor dry overnight.
9. Continue the polishing process using 800 grit resin diamonds.
10. Clean the floor using automatic scrubber or comparable.
11. Alternately, depending on slab condition, grind floor using 1200-1500 grit resin diamonds.
12. Clean the floor using automatic scrubber or comparable.
13. The same process will be used for new floors as well as rehab floors. Floor prep for the rehab floors will be separate.
14. Apply an even coat of RetroGuard Sealer with a brush, roller, or low-pressure sprayer, and when surface is dry, burnish the floor with a black burnishing pad. Apply a second coat of RetroGuard one hour after the initial application, and again burnish the floor with a black burnishing pad.
15. Do not walk on surface for 12 hours, and do not introduce any water or moisture for at least 48 hours, allowing for proper drying and setting of RetroPlate and RetroGuard. Water will minimize the sealing properties of RetroPlate and RetroGuard.

C. Start any of the floor finish applications in presence of manufacturer's technical representative.

D. Sealing, Hardening and Polishing of Concrete Surface
1. Concrete must be in place a minimum of 28 days or as directed by the manufacturer before application can begin.
2. Application is to take place at least 10 days to the prior to racking and other in-store accessory installation, thus providing a complete, uninhibited concrete slab for application.
3. Only a certified applicator shall apply RetroPlate 99. Procedures must be followed as recommended by the product manufacturer and as required to match approved test sample.
4. Achieve waterproofing, hardening, dust-proofing, and abrasion resistance of the surface without changing the natural appearance of the concrete, except for the sheen.
5. Polish to a level 2 shine.

E. Workmanship and Cleaning
1. The premises shall be kept clean and free of debris at all times.
2. Remove spatter from adjoining surfaces, as necessary.
3. Repair damages to surface caused by cleaning operations.
4. Remove debris from jobsite
a. Dispose of materials in separate, closed containers in accordance with local regulations.

DIVISION 4 - MASONRY

SECTION 04810 - UNIT MASONRY ASSEMBLIES

1.1 General: Provide unit masonry assemblies as shown and specified.

A. Standards: Materials and construction shall conform to the following:
1. ACI 530.1-02/ASCE 6-02/TMS 602-02 "Specifications for Masonry Structures."
2. NCMA "TEK Bulletins."
3. BIA "Technical Notes on Brick Construction."

2.1 Materials:

A. Concrete Masonry Units (CMU): Size and thickness as shown on drawings.
1. ASTM C 90, load-bearing, normal weight, natural color CMU, properly cured at time of delivery, linear shrinkage not to exceed 0.065%.
2. Provide special shapes where required.
3. Provide exterior wall CMU containing an integral polymeric water-repellent admixture.
a. Manufacturer: W. R. Grace "Dry-Block® System Block Admix ".

B. Face Brick:
1. Manufacturer:
a. Endicott, (402) 729-3315, www.endicott.com (Iron Spot Brick), or as approved by architect
b. Belden Brick Company, (330) 451-2031, www.beldenbrick.com (White Brick), or as approved by architect
2. Type: "Face Brick C216" complying with ASTM C216, Grade SW, Type FBS. No efflorescence when tested in accordance with ASTM C67.
3. Size: Modular size, laying three courses to 8" vertically.
4. Color: "Golden Bluff" or "Autum Sands" as noted on Exterior Elevations
5. Provide special shapes where required.

C. Mortar Materials:
1. Portland cement: ASTM C150, Type I or III, natural color.
2. Masonry cement: ASTM C91, Type indicated, natural color.
3. Aggregate: ASTM C144, clean masonry sand.
4. Water: Clean, fresh and potable.
5. Provide all exterior wall masonry mortar containing an integral polymeric water-repellent admixture.
a. Manufacturer W. R. Grace, "Dry-Block® Integral Water-Repellent Mortar Admixture".

D. Unit Masonry Mortar Mixes: ASTM C270 proportions by volume.
1. Face brick: Type N mortar.
2. Dye:
a. SGS #60A "White" by Solomon Grind Services (White)
b. SM #750 "Silverstone" by Spec Mix (Iron Spot)

E. Reinforced Unit Masonry Grout Mixes
1. Concrete fill: ASTM C94 3,000 psi concrete.

F. Joint Reinforcement, Wall Ties And Anchors: Finish, ASTM A-153 hot-dip galvanized
1. Manufacturer: Hohman & Barnard, INC.
2. Horizontal joint reinforcement: Welded ladder type with matching corners and Tee units.
a. Single Wythe masonry: Standard single 9 gage side and cross rods. H&B - #220 Ladder-Mesh.
3. Anchoring devices: Provide strap anchors, inserts, bolts and rods of type and size indicated.
a. CMU to CMU: Strap anchors 1/4" x 1-1/4" x 24" steel with bent ends.
b. CMU to structural steel: H&B - VBT - Vee Byne-Tie With Plain Steel (Tie) Used In Conjunction With H&B #359 Weld-on Ties (Anchor Rods).
4. Masonry Veneer To Woof Framing: H&B - DW-10HS Veneer Anchor, With Adjustable 3/16" Cold-Drawn Steel Wire Tie Sections and 14 GA. Screw-On Attachment Plate.
a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners for each Attachment Plate.
5. Seismic Masonry Veneer to Wood Framing: (When Required) H&B Seismic Plate Pintle HB-213S with HB-213 (T-Lok Tie)
a. Fasteners: Seld-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners For Each Attachment Plate.

G. Concealed Masonry Through-Wall Flashing: W. R. Grace "Perm-A-Barrier" self-adhering modified bituminous sheet, 40 mils thick.
1. Termination Mastic: W.R. Grace "Bituthene Mastic."
2. Primer: W.R. Grace "Bituthene P-300 Primer."
3. Termination bars: Extruded aluminum or stainless steel, 1" wide and .098" thick pre-punched at 6" on center, secured with stainless steel drive pins.

H. Accessories
1. Reinforcing bars: ASTM A615, Grade 60, deformed billet steel bars of sizes indicated.
2. Wall weeps: Dur-O-Wal D/A 1006 "Cell Vent", clear flexible polypropylene co-polymer.
3. Compressible joint material: Dur-O-Wal "Rapid Soft-Joint" D/A 2010.
4. Bond breaker strips: ASTM D226 No. 15 asphalt saturated roofing felt.
5. Cleaning agents:
a. Face Brick and CMU: ProSoCo, Inc., "Sure Klean New Masonry Cleaners."
b. ACMU: ProSoCo, Inc., "Sure Klean Burnished Custom Masonry Cleaner."
6. Expansion/Control joint sealants: Polyurethane-based, elastomeric joint sealant complying with ASTM C920 and Section 07900 requirements. Color matched to adjacent surfaces.

3.1 Installation

A. Preparation
1. Wet absorbent face brick masonry units requiring wetting, in accordance with BIA recommendations.
2. Lay concrete masonry units dry.
3. Establish, lines, levels and coursing. Ensure ties, anchors and flashing are correctly installed
4. Mix mortar cementitious materials and aggregate in a mechanical mixer. Add water in amount to provide satisfactory workable consistency of mortar. Retemper mortar as required within two hours of mixing to replace water lost be evaporation. Discard mortar after two and one-half hours of initial mixing. Do not use mortar after it has started to set.

B. Installation - General:
1. Build walls and other masonry construction to the full thickness shown. Build single wythe walls to the actual thickness of the masonry units, using units of nominal thickness shown.
2. Cut masonry units using motor-driven masonry saws to provide clean, sharp edges. Cut units to fit adjoining work neatly. Provide 100% solid units where cores would be exposed.
3. Cold weather construction, hot weather construction, and masonry construction tolerances: Comply with unit masonry standard ACI 530.1/ASCE 6/TMS 602 requirements.

C. Laying Masonry
1. Layout walls in advance to ensure accurate spacing of surface bond patterns, with uniform joint widths, and to properly locate openings, movement type joints, returns and offsets. Do not use less than half-size units at corners, jambs and other locations.
2. Lay up walls plumb and true to comply with ACI 530.1 tolerances. Provide square corners and angles, except as otherwise indicated, with courses level, accurately spaced and coordinated with other work.
3. Pattern bond: Running bond. Do not use units with less than 4" of horizontal face dimensions at corners or jambs.
4. Lay hollow CMU/ACMU with full mortar coverage on horizontal and vertical face shells. Bed CMU webs in mortar in starting courses. Maintain uniform 3/8" joint widths.
5. Lay face brick and solid CMU/ACMU with completely filled bed and head joints. Do not slush head joints. Maintain uniform 3/8" joint widths.
6. Compress and cut joints flush for masonry walls below grade or covered by other materials.
7. Tool joints in all exposed masonry work to a concave joint.
8. Provide interlocking masonry bond in each course at corners and intersecting walls.
9. As the work progresses, build in masonry accessories and related items. Fill in solidly with masonry around built-in items.
a. Bed hollow metal frame anchors in mortar and fill space between hollow metal frames and masonry solid with fine mortar grout.
b. Provide solid masonry bearing for all lintels, beams, joists, plates and load-bearing members.
c. Take particular care to embed all conduits and pipes within concrete masonry without fracturing exposed shells and to fit units around switch, receptacle and other boxes set in walls. Where electric conduit, outlets, switch boxes and similar items occur, grind and cut units before building in services.
d. Install anchors, plates and related work built into masonry work.
e. Install reinforcing steel and concrete fill where indicated. Comply with drawing details.
10. Horizontal joint reinforcing: Provide continuous joint reinforcing at all concrete masonry walls as follows:
a. In every second block course, 16" on center vertically, full height of wall and every block course where shown on the drawings.
b. Lap reinforcement a full width at the corners and at intersections or use special fabricated sections.
c. Fully embed side rods in mortar.
11. Anchoring masonry work: Provide anchoring devices of the type indicated or required.
12. Provide vertical expansion, control and isolation joints in masonry where indicated.
a. When not indicated, at maximum 30'-0" on center.
b. Locate control joints at points of natural weakness in masonry and acceptable to Architect.
c. Joint sealant color shall match masonry materials sealed.
13. Lintels: Install loose steel lintels furnished under structural steel work where shown. Set lintels in full bed of mortar.
14. Flashing and weeps:
a. Install concealed through wall masonry flashing at all wall sills, masonry openings in exterior walls with masonry above head, over all horizontal steel members built into masonry and elsewhere as indicated. Provide "drainage wall system" masonry construction.
b. Provide end dams and positive slope to drain. Extend flashing vertically at least 8" and built into or anchor to back-up with a termination bar for a complete watertight installation.
c. Flexible Membrane Flashing:
1.) Install membrane flashing in accordance with manufacturer's installation instructions.
2.) Fully adhere flashing to substrate.
3.) Lap flashing joints a minimum of 6", seal and roll with a hand roller.
4.) Trim bottom edge 1/4" back from exposed face of masonry.
5.) Seal edges, seams, cuts and penetrations with manufacturer's recommended mastic.
15. Install weeps in head joints of final course of exterior masonry wythe above flashing. Space weeps maximum of 24" on center horizontally and located to avoid door openings. Install weeps at head joints with outside face of weep material held 1/8" from the finish face of masonry unit.
16. Install compressible joint material at lintels and horizontal steel members. Build in joint fillers and seal with elastomeric joint sealant.

D. Masonry Veneer Walls:
1. Metal framed walls: Tie exterior masonry veneer wythe to back-up wall with individual metal ties screwed to metal stud framing.
2. Space ties 16" on center vertically and horizontally.
3. Maintain veneer wall cavity free of mortar droppings during masonry installation.

E. Parging:
1. Dampen masonry walls prior to parging.
2. Scarify each parging coat to ensure full bond to subsequent coat.
3. Parge masonry walls in two uniform coats of mortar to a total thickness of 3/4 inch (19mm).
4. Steel trowel surface smooth abs flat with a maximum surface variation of 1/8 inch per foot (1mm/meter).

F. Architectural Concrete Masonry Units: Install ACMU in accordance with the manufacturer's installation instructions and the following:
1. Draw ACMU from more than one pallet at a time during installation.

G. Reinforced Concrete Masonry
1. Reinforce and fill CMU/ACMU wall and column masonry where indicated. Fill all cores solid with concrete fill. Comply with NCMA TEK Bulletins 3-2, 3-3A and 14-2 recommendations.
a. Comply with drawing details for reinforcing steel size and spacing.
2. Install bond beams where indicated. Reinforce and fill units solid with concrete fill. Comply with drawing details for reinforcing steel size and spacing.

H. Repair, Pointing and Cleaning
1. In process cleaning: Wipe off excess mortar as the work progresses. Dry brush with bristle brushes exposed masonry at the end of each day's work. Remove mortar spatters and joint ridges.
2. Clean all exposed masonry. Cleaning agents subject to Architect's approval. Before applying any cleaning agent to the entire wall, clean a sample wall area of approximately 20 square feet in a location acceptable to the Architect. Do not proceed with final cleaning until the sample area has been allowed to dry a minimum of 3 days and the test area cleaning approved. Protect all windows, doors, louvers, metal lintels and other corrodible parts. Damaged materials and work replaced at Contractor's expense.
3. Dry clean exposed surfaces to remove large particles of mortar using hardwood wood paddles and scrapers. Metal tools not acceptable.
4. Presoak exposed masonry surfaces by saturating with water and flush off loose mortar and dirt.
5. Apply cleaning solutions and clean masonry in accordance with the cleaning material manufacturer's cleaning instructions.
6. Muriatic acid cleaning of masonry not permitted.

I. Architectural Concrete Masonry:
1. Keep ACMU walls clean during installation. Remove excess mortar on daily basis using brushes, rags or burlap squares.
2. Clean completed walls with detergent masonry cleaner recommended by the ACMU manufacturer. Acid cleaning agents, abrasive cleaners, tools or powders and metal cleaning tools and brushes are not permitted.
3. After final clean down and when walls are dry, apply ACMU acrylic finish coating in accordance with ACMU manufacturer's application instructions.

DIVISION 5 - METALS

SECTION 05120 - STRUCTURAL STEEL

1.1 General: Provide structural steel in accordance with the General Structural Notes and structural drawings and details.

A. Standards: Materials and construction shall conform to following:
1. AISC "Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings."
2. AISC "Code of Standard Practice."
3. AWS "Structural Welding Code, D1.1-Steel."

2.1 Materials:

A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required.

B. Structural Shapes: ASTM A36/A36M, 36 ksi steel.

C. Tubular Steel: ASTM A500, 46 ksi yield strength steel, cold-formed welded and seamless.

D. Structural pipe: ASTM A53, type and grade selected by the fabricator as required for design loading, standard finish, standard weight (Schedule 40) except as otherwise indicated.

E. Grout: ASTM C1107, pre-mixed, shrinkage resistant, non-metallic, non-corrosive, non-staining grout.

F. Shop paint primer: Refer to Section 09900 - Paints and Coatings.

G. Fabrication: Fabricate structural steel in accordance with AISC "Specification - Structural Steel for Buildings" and "Code of Standard Practice." Provide welded or bolted connections in accordance with the Structural Drawings connection requirements.
1. Welding: Conform to AWS welding standards. Provide only continuous welds, spot welding is not acceptable. Grind all exposed welds smooth.
2. Splicing: Material, if spliced, shall have maximum one splice per structural member. Perform splicing by full penetration butt-welding using AWS qualified welders and welding methods.
3. Shop painting: Shop paint structural metal members, except members or portions of members to be embedded in concrete or masonry, surfaces and edges to be field welded and galvanized surfaces. Refer to Section 09900 - Paints and Coatings.

3.1 Installation:

A. Erection: Erect structural steel in accordance with AISC "Specification - Structural Steel for Buildings" and "Code of Standard Practice".
1. Plumb, level and align base plates for structural members with steel shims.
2. Grout structural steel base plates solid that bear on concrete or masonry surfaces.

B. Testing: When required, comply with drawings testing requirements.

SECTION 05400 - COLD-FORMED METAL FRAMING

1.1 General: Provide cold-formed metal framing in accordance with the General Structural Notes and structural drawings and details.

A. Standards: Materials and construction shall conform to following:
1. AISI SG02.2-01 "Design of Cold-Formed Steel Structural Members."
2. AWS "Structural Welding Codes, D1.3-Sheet Steel."

2.1 Materials:

A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required.

B. Load-Bearing Cold-Formed Metal Framing: ASTM A1003, Gage, Grade and Type indicated.
1. Components: Provide sizes and shapes indicated.
2. Finish: Galvanized complying with ASTM A653, minimum G60 coating.

C. Fabrication:
1. Cold-formed metal framing may be prefabricated into panels before erection. Fabricate panels plumb, square, true to line and braced against racking with joints welded.
a. Provide one-piece full-length cold-formed metal framing members. Splicing not permitted.
2. Attach and join other components by welding or screw fasteners, as indicated. Wire tying of framing components is not permitted.
3. Cut framing to fit squarely for attachment to perpendicular members or as required for angular fit against abutting members. Hold members securely in position until properly fastened.
4. Saw cut field cut framing. Torch cutting not acceptable.

3.1. Installation:

A. Erection: Erect cold-formed metal framing members of gage and at spacing indicated on the Structural Drawings. Align and secure studs to top and bottom runner tracks by welding or screw fasteners at both inside and outside flanges.

B. Tolerance Acceptance: Install cold-formed metal framing member as indicated on the plans. Install to 1/16" tolerance.

SECTION 05500 - METAL FABRICATIONS

1.1 General: Provide metal fabrications as shown and specified.

A. Submit shop drawings for the following:
1. Patio Rail systems.
a. Show thickness, size, construction and manner of assembling various members, joint locations and railing layout.
b. Show true profiles, connections and relationship to adjoining work and methods of anchoring.

2.1 Materials

A. Materials compliance: When requested, submit acceptable data documenting materials compliance.

B. Steel Shapes: ASTM A36/A36M, 36 ksi steel.

C. Stainless Steel:
1. Wall: 18 gage, ASTM A167, AISI Type 304 stainless steel, No. 4 finish.

D. Diamond Plate: Nominal 1/8" thick ASTM B209, Alloy 6061-T6, Aluminum Diamond Tread Plate.
1. Wall: Bright reflective finish.
2. Floor: Mil finish.

E. Patio Railing System
1. Submit shop drawings including the following:
a. Show thickness, size, construction and welding, as well as assembly drawings.
b. Show true profiles, connections of all typical joint configurations
c. Show installation (fastening) and proposed grout (non-gypsum base)
d. Show gate detail and gate hardware manufacturer and model number
e. Patio railing plan, with dimensions and panel assembly locations.
2. Fabrication
a. Patio rails and gate shall be fabricated from steel flat bar, 3/8" x 2 1/2", grade A36.
b. Corner connector angles shall be 2 1/2" x 2 1/2" x 1/4" steel L angle.
c. Gate hinges shall be a self-closing, adjustable tension type. Hinge installation shall be drilled and tapped. Permanently welded are unacceptable.
d. Gate stop shall have a rubber cushion stop and be affixed to the active gate.
e. All corners and joints shall be seal welded and outside joints ground smooth.
f. All welding spatter shall be removed before sand blasting.
3. Finish
a. Patio railing shall be painted PPG Durethane, color 518-6 Knight's Armor. Refer to Section 09900 - Paints and Coatings for preparation.

F. Exposed Fasteners:
1. Diamond Plate: #8 x 1" bevel headed stainless steel screw.
2. Patio Railing:
a. All fasteners shall be stainless steel and powder coated to match railing sections.
b. Spacer washers separating railing sections shall be 1 1/2" diameter and 1/2" thick they shall be one piece thick washers and not comprised of stacking washers
c. Spacer washers shall be used on all straight sections and when railing panels join at 90 degree corner angles.

G. Shop paint primer: Refer to Section 09900 - Paints and Coatings

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:
ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:
G011

3.1 Installation: Comply with the Architectural Drawing details and the following:

A. Exposed Fasteners:
1. Flat Metal Panels: Provide 18" vertical and horizontal pattern or spaced equally if 18" pattern does not finish evenly. Exposed fasteners shall remain unpainted in natural factory supplied finish.
2. Diamond Plate: Provide counter sunk fasteners at perimeter of panels at 2'-0" on center maximum as well as fully adhering to surface.

B. Stainless Steel:
1. Wall:
a. Clean stainless steel panel with mineral spirits.
b. Install stainless steel panels with Henry 117 oil based adhesive applied to wall with 1/8" notch tooth trowel.
c. Trim seams as indicated on the Drawings. No exposed fasteners.

C. Diamond Plate:
1. Wall: Mount over plywood substrate w/ flush exposed fasteners.
2. Floor: Provide continuous bead of silicone sealant to back side perimeter of plate prior to installation.
3. Mount with exposed fasteners. Provide continuous bead of silicone sealant to perimeter of plate after installation.

D. Patio Railing System:
1. Railing posts shall be set 6" deep into a core drilled hole, 4"-6" diameter
2. Railing posts shall be grouted in using non gypsum quick set grout.
3. Railing posts shall be set in grout plumb and level, with a tolerance of 1/8" in 4 feet.

E. Hand-inspect all joints and edges of installed metal materials. Unless otherwise indicated, fit exposed connections accurately together to form tight hairline joints. Grind and ease exposed joints, and edges smooth and free of burrs.

DIVISION 6 - WOOD AND PLASTICS

SECTION 06100 - ROUGH CARPENTRY

1.1 General: Provide rough carpentry work as shown and specified.

A. Standards: Materials and construction shall conform to following:
1. NIST PS-1-95 "Construction and Industrial Plywood."
2. NIST PS-2-95 "Performance Standards for Wood-Based Structural-Use Panels."
3. NIST PS-20-99 "American Softwood Lumber Standard."
4. NF&PA ND5-97 "Wood Construction and Supplement."
5. AWPA "Wood Treatment Standards."

2.1 Materials:

A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated.
1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species.
a. Provide preservative treated lumber, where indicated.

B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick.
1. APA-RATED SHEATHING EXP1.
a. Provide Exterior Grade (EXT) plywood, where indicated.
b. Provide fire-retardant treated plywood, where required by Building Code.

C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick

2.2 Wood Treatment:

A. Preservative Treatment: Comply with applicable requirements of AWPA Standards C2 (Lumber).
1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf.
2. Treat wood blocking, nailers and similar members in connection with roofing and flashing.
3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete.

B. Fire-Retardant Treatment: Comply with applicable requirements of AWPA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking.
1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes.

C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.

3.1 Installation:

A. Lumber: Provide wood blocking, nailers and similar members where shown and where required for attachment of other work and surface applied items. Attach to substrate as required to support applied loading.
1. Use only sound, seasoned materials of longest practical lengths and sizes to minimize joints.
2. Use materials free of warp. Make tight connections between members.

SECTION 06210 - FINISH CARPENTRY AND MILLWORK

1.1 General: Provide finish carpentry and millwork as shown and specified.

A. Standards: Materials and construction shall conform to the following:
1. AWI "Architectural Woodwork Quality Standards - 1999."

B. Doors and door hardware: Install all door hardware furnished under Division 8 specification Sections.

C. Submit shop drawings for designated millwork.
1. Include complete details, materials lists and drawings showing fabrication of typical units, unit assemblies, locations and installation details.
2. List proposed cabinet hardware to suit indicated unit use or function.
3. Identify materials required to complete work ready for installation.
4. Obtain shop drawing approval before starting fabrication.

2.1 Materials:

A. Plywood: AWI Section 200
1. Concealed use substrates: CDX, D-3 Paint Grade hardwood plywood, with aspen veneer core, 5/8" thick. (OSB is an alternative as allowed by Chipotle CM)
2. Exposed to view finishes:
Random plank match or slip and swing matched spalted maple veneer on 3/4" baltic birch core, with mill option sound grade hardwood backer. Spalted maple grain to run horizontally .5 sheen matte clear waterborne finish. Panels to be provided at 47" height, with widths varying from 24" to 95".

B. Millwork: Materials and construction as detailed on the Drawings.

C. Fabrication:
1. Millwork design and fabrication details shown on the drawings indicate design intent. Unless otherwise indicated, provide manufacturer's standard fabrication methods. Indicate all proposed variations from the drawing design and fabrication details on shop drawings.
2. Fabricate millwork in accordance with AWI "Custom Grade" requirements. Where details are not shown, comply with applicable Quality Standards or with alternate details acceptable to Architect as fabricator's option.
3. Fabricate finished work properly framed, closely fit and accurately set to required lines and levels and rigidly secured in place.
4. Fabricate work straight, plumb, level and in true alignment; neatly and accurately fit, scribed and thoroughly secured. Plane and sand miters and other joints. Ease all square edges. Provide millwork clean and free from warp, twist, open joints and other defects.
5. Provide finished woodwork dressed and sanded free from machine and tool marks, abrasions, raised grain or other defects on surfaces exposed to view in finished work.

D. Finish:
Sayerlack Hydroplus Waterborne Clear, 5 sheen for spalted veneer

3.1 Installation

A. Install finish carpentry and millwork products plumb, level, true and straight with no distortion. Shim as required using concealed shims. Install to a tolerance of 1/8" in 8'-0" for plumb and level (including countertops) and with 1/16" maximum offset in flush adjoining surfaces, 1/8" maximum offsets in revealed adjoining surfaces.
1. Scribe and cut finish carpentry and millwork products to fit adjoining work.
2. Anchor finish carpentry and millwork items to built-in place blocking, furnished under Section 06100, or directly attach to substrate framing. Secure to grounds, blocking and nailers with countersunk, concealed fasteners and blind nailing as required for a complete installation.
3. For installation of prefinished millwork wall panels, use finish nails for exposed nailing, installed with pneumatic nailer as per the following guidelines:
a. Nailer to be set for countersunk head approximately 1/8" on the face.
b. Use 16 ga straight finish nails in 2" length
c. Provide "dab" of construction adhesive on backside of panels at regular intervals.
d. Random placement preferred, do NOT group nails together.
e. No nails closer than 2" from any edge.
f. All nails to be no greater than 16-18" apart in any direction.
4. Touch-up shop finished materials marred or damaged during delivery, storage and installation with custom blended polyurethane to equal Minwax "Wipe on Poly".

B. Install casework without distortion so that doors and drawers will fit openings properly and be accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation.

C. Install plastic laminate countertops, shelving and trim. Provide work level, true to alignment, accurately fit to wall conditions and securely fastened to base units and other support systems as indicated.

SECTION 06605 - FIBERGLASS REINFORCED PLASTIC PANELS

1.1 General: Provide fiberglass reinforced plastic panels as shown and specified.

2.1 Materials:

A. Manufacturer: Marlite, (330) 343-6621, internet www.marlite.com, Email: info@marlite.com

B. Panel System: 'P6' Per Finish Schedule, Series: Standard FRP - "Marlite Class 1/A" Fiberglass Reinforced Polyester (FRP) Panels, 3/32" thick, 48" wide x full height required. Color: P100 White, Class A, pebbled matte surface texture. USDA approved for incidental food contact.
1. Panel trim: Extruded PVC, color matching panel color. Provide 1/2" x 1/2" inside corners, edge trim, and division moldings as required to complete the installation.
a. Inside Corner - M350
b. Outside Corner - M360
b. Division - M365
c. Edge - M370
2. Panel trim: Stainless Steel, color matching panel color. Provide 1-1/2" x 1-1/2" outside corners as required to complete the installation.
3. Sealant: Marlite "Silicone Sealant", white gunnable silicone sealant.
4. Panel adhesive: Marlite "C-551" water-based construction adhesive for panel application over porous surfaces.

C. Panel System: 'P2' Per Finish Schedule, Series: Standard FRP - "Marlite Class 1/A" Fiberglass Reinforced Polyester (FRP) Panels, 3/32" thick, 48" wide x full height required. Color: S100G White, smooth matte surface texture. USDA approved for incidental food contact.
1. Panel trim: Extruded PVC, color matching panel color. Provide division moldings as required to complete the installation.
a. Edge - M370
2. Sealant: Marlite "Silicone Sealant", white gunnable silicone sealant.
3. Panel adhesive: Marlite "C-551" water-based construction adhesive for panel application over porous surfaces.

D. Alternate panel spec: Color: S100 S/2/S White, smooth matte surface texture

3.1 Installation

A. Install the FRP system products using panel adhesive in accordance with the manufacturer's instructions and layout as shown in drawings.
1. Install panels plumb, level, true and straight with no distortion; providing a continuous bead of silicone sealant in each joint and trim groove and between trim and adjacent construction.
2. Provide corner trim, closure trim at intersections of dissimilar materials and moldings at abutting panels.

SECTION 07210 - BUILDING INSULATION

1.1 General: Provide building insulation as shown and specified.

2.1 Materials:

A. Extruded polystyrene foam rigid board insulation: Dow Chemical Co., 866-583-2583, internet www.dowbuildingmaterials.com
1. Type: Dow "Styrofoam" Type IV, 1.6 pcf minimum density, 25 psi compressive strength complying with ASTM C 578, R-value equal 5 per inch of thickness. Provide lengths and widths as required to coordinate with space insulated.
2. Perimeter foundation walls: Styrofoam SE, R-value indicated.

B. Glass fiber batt/blanket insulation: Owens Corning Corp., (800) 438-7465, internet www.owenscorning.com.
1. Type: Owens Corning " Thermal Batt" Type I unfaced glass fibers and binders formed into flexible blankets or batts complying with ASTM C665,. Provide lengths and widths required to coordinate with spaces insulated.
2. Exterior walls: Unfaced, R-value/thickness indicated

C. Vapor barrier membrane: Polyethylene, minimum 6 mils thick, complying with ASTM D 4397, maximum permeance rating of 0.13 perm.
1. Joint tape: Pressure sensitive tape designed for sealing joints and penetrations of above and below grade vapor barrier sheets.
2. Mounting tape: Double-faced pressure sensitive tape suitable for mounting vapor barriers to steel framing.

3.1 Installation:

A. General:
1. Install insulation in accordance with manufacturer's recommendations for conditions of installation indicated. Install insulation in single layer of required thickness over entire area to be insulated. Cut and fit tightly around obstructions. Fill all voids.
2. Install exterior wall insulation continuous behind electrical boxes, conduit, piping and ductwork.

B. Foundation perimeter walls and slabs:
1. Install rigid foam insulation vertically from top of slab to frost line or horizontally under slabs, extending a minimum 36" in from exterior walls.
2. Protect insulation from displacement and damage during backfilling and slab placement

C. Exterior Walls:
1. Install batt/blanket insulation full height at exterior wall framing. Use blanket widths and lengths that fill cavities formed by framing members and provide a friction fit between edges of insulation and metal framing members.
2. Provide galvanized wire mesh or metal strapping to provide supplementary support when required to maintain insulation in permanent proper location.

D. Vapor Barriers:
1. Install a single layer of vapor barrier membrane over the interior of exterior metal wall framing after installation of insulation. Secure with double faced tape at wall framing.
2. Provide single unspliced material height. Horizontal joints not acceptable. Minimize vertical joints. Lap vertical joints and secure in place with joints taped. Provide tape sealed contact with door frames, window frames, piping, conduit, ductwork, registers and the vapor barrier.
3. Seal all cuts and penetrations of vapor barrier membrane with tape before installing surface finishes.

SECTION 07240 -EXTERIOR INSULATION AND FINISH SYSTEM (PB)

1.1 General: Provide the exterior insulation and finish system (EIFS) as shown and specified.

A. Standards: Materials and construction shall conform to the following:
1. EIMA (EIFS Industry Members Association) Standards and Publications.
a. 101.01, 101.02, 101.03, 101.86, 105.01, 200.02.
b. EIMA "Guideline Specification for Expanded Polystyrene (EPS) Insulation board."

B. Quality Assurance:
1. System components:
a. Produced by a single manufacturer or by manufacturers approved by the EIFS system manufacturer.
b. Fire performance: Flame spread of 25 or less, smoke developed of 450 or less when tested in accordance with ASTM E84.
2. Installer Qualifications: Performed by the system manufacturer or an applicator trained and approved by the system manufacturer. During application, the work shall be inspected by system manufacturer's representative.

C. Environmental conditions: Comply with manufacturer's requirements. Do not install materials during wet or freezing weather.

2.1 Materials

A. Manufacturer: STO Corp., P: (800) 221-2397, internet www.stocorp.com
Strategic Accounts Manager: Ray Redmond, P: (616) 437-2230, rredmond@stocorp.com

B. Exterior insulation and finish system: Sto Class PB "StoTherm ci" EIFS.
1. Air/Moisture barrier: Sto Guard system.
a. Sto RapidGuard for rough opening protection, sheathing joints and inside and outside corners.
b. Sto Guard Mesh: Coated glass fiber fabric reinforcing mesh.
c. Sto Gold Coat: Waterproof Fluid Applied Air/Moisture Barrier
2. Primer/adhesive and base coat: Sto Primer/Adhesive-B, one-component, polymer modified, cement -based factory blended primer/adhesive used to attach insulation board to prepared sheathing substrates and as a base coat in Essence claddings.
3. Insulation board: ASTM C578 Type 1, nominal 1.0 lb/ft^3 expanded polystyrene meeting EIMA Guideline specifications for EPS insulation board.
4. Finish coating: Sto Essence DPR, ready-mixed 100% acrylic-based, textured wall coating.
a. Medium/Fine Sand Finish.
b. Color as indicated on the Architectural drawings from manufacturer's full color range or match custom color.
5. System warranty: 10 year labor and material.

C. Portland cement: ASTM C150, Type I or II, white or gray in color.

D. Water: Clean, potable and free of foreign matter.

E. Reinforcing mesh: Sto open-weave glass fiber fabric with alkaline resistant coating.
1. Standard mesh: Sto Mesh, nominal 4.5 oz/yd^2 fabric.
2. Ultra-High impact mesh: Sto Armor Mat, nominal 15 oz/yd^2 ultra-high impact fabric.
3. Specialty mesh:
a. Sto Detail Mesh, nominal 4.2 oz/yd^2 flexible, symmetrical, interlaced glass fiber fabric.
b. Sto Corner Mat, nominal 7.8 oz/yd^2 pre-creased, heavy-duty, glass fiber fabric.

F. Joint sealants: StoSeal STPE Sealant complying with ASTM C920 and Section 07900 requirements.
1. Adhesion: Evaluated in accordance with ASTM C1382.
2. Color: Matching EIFS finish coating color, and visually acceptable to the Architect.

G. Accessories: Provide plastic stops and trim where indicated. Materials shall be compatible with EIFS materials and acceptable to EIFS manufacturer.
1. Starter Track: Rigid PVC plastic track with weepholes and drip edge.

3.1 Mixing

A. Mix materials in accordance with manufacturer's published instructions.
1. Mix with a clean, rust-free high speed mixer to a uniform consistency.
2. No rapid binder, anti-freeze or accelerator additives permitted.

4.1 Installation

A. Preparation:
1. Coordinate installation of roofing membrane, windows, doors and other wall penetrations to provide a continuous exterior wall air/moisture barrier.
2. Coordinate installation of windows, doors and window and door flashing to provide continuous exterior wall air/moisture barrier.
3. Install copings and joint sealants immediately after installation of the EIFS, when EIFS coatings are dry.

B. Installation: Install Sto Guard air/moisture barrier system and exterior insulation and finish system (EIFS) in strict accordance with manufacturer's installation instructions, complying with governing regulations and industry standards applicable to the work.
1. Back wrap exposed board edges with mesh.
2. Provide double wrap or corner mat reinforcing at all inside and outside corners.
3. Provide expansion joints in accordance with manufacturer's recommendations for type of substrates and systems required, and visually acceptable to the Architect.
4. Provide drainable starter track horizontal edge trim as base of wall, above windows and doors openings and beneath windows with concealed flashing.

C. Insulation and adhesive application:
1. Install insulation board with long edge horizontal using running bond pattern. Off set insulation joints with substrate joints. Stagger joints and interlock joints at corners.
2. Apply adhesive to insulation board with a stainless steel trowel notched trowel, providing vertical uniform ribbons of adhesive when board is installed. Mount insulation board on substrate. Level, align and tamp insulation in place. Provide uniform contact and bond with joints tightly butted. Rasp edges and high areas as required to produce a level, plane surface.

D. Base coat and reinforcing mesh application:
1. Apply detail mesh at corners of windows, doors, and all penetrations through the EIFS.
2. Standard mesh: Apply base coat over insulation board to a uniform 1/8 inch thickness, including high impact mesh where indicated. Embed standard reinforcing mesh into wet adhesive, lap edges at seams. Smooth surface until mesh is not visible. Allow to base coat to dry.
3. Ultra-High impact mesh: Apply base coat over insulation board to a uniform 1/8 inch thickness. Fully embed ultra-high impact reinforcing mesh into wet adhesive, butt edges at seams. Smooth surface until mesh is not visible. Allow to base coat to dry. Locate at 4'-0" wide perimeter of the rear service door to 6'-0" above grade and as indicated on Architectural drawings.

E. Apply finish coating continuously in one operation to the entire wall surface Provide a uniform finished appearance. Level and texture to the specified finish texture.

F. Install joint sealants at perimeter joints and joints within the system using elastomeric joint sealants, in accordance with drawing details and sealant manufacturer's recommendations.

SECTION 07250 - WEATHER BARRIERS

1.1 Section Includes

A. Weather barrier membrane
B. Seam Tape
C. Flashing
D. Fasteners

1.2 References

A. ASTM International
1. ASTM C920; Standard Specification for Elastomeric Joint Sealants
2. ASTM C1193; Standard Guide for Use of Joint Sealants
3. ASTM D882; Test Method for Tensile Properties of Thin Plastic Sheeting
4. ASTM D1117; Standard Guide for Evaluating Non-woven Fabrics
5. ASTM E84; Test Method for Surface Burning Characteristics of Building Materials
6. ASTM E96; Test Method for Water Vapor Transmission of Materials
7. ASTM E1677; Specification for Air Retarder Material or System for Framed Building Walls.
8. ASTM E2178; Test Method for Air Permeance of Building Materials

B. AATCC - American Association of Textile Chemists and Colorists
1. Test Method 127 Water Resistance: Hydrostatic Pressure Test

C. TAPPI
1. Test Method T-410; Grams or Paper and Paperboard (Weight per Unit Area)
2. Test Method T-460; Air Resistance (Gurley Hill Method)

1.3 Quality Assurance

A. Qualifications
1. Installer shall have experience with installation of commercial weather barrier assemblies under similar conditions.
2. Installation shall be in accordance with weather barrier manufacturer's installation guidelines and recommendations.
3. Source Limitations: Provide commercial weather barrier and accessory materials produced by single manufacturer.

1.4 Delivery, Storage and Handling
A. Refer to Section 01400 Quality Requirements.
B. Deliver weather barrier materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.
C. Store weather barrier materials as recommended by weather barrier manufacturer.

1.5 Scheduling
A. Review requirements for sequencing of installation of weather barrier assembly with installation of windows, doors, louvers and flashings to provide a weather-tight barrier assembly.
B. Schedule installation of weather barrier materials and exterior cladding within 9 months of weather barrier assembly installation.

2.1 Manufacturer
A. DuPont Building Innovations; 4417 Lancaster Pike, Chestnut Run Plaza 721, Wilmington, D19805;
1.800.44TYVEK (8-9835); http://constructiontyvek.com
Alternate: STO Corp., P: (800) 221-2397, internet www.stocorp.com

2.2 Materials
A. Basis of Design: Hi-performance, spunbonded polyolefin, non-woven, non perforated, weather barrier is based upon DuPont Tyvek CommercialWrap and related assembly components.
Alternate: StoGuard System, See Section 07240

B. Performance Characteristics:
1. Air Penetration: 0.001 CFM/feet squared at 75 Pa, when tested in accordance with ASTM E2178. Type I per ASTM E1677.
2. Water Vapor Transmission: 28 perms, when tested in accordance with ASTM E96 Method B.
3. Water Penetration Resistance: 280 cm when tested in accordance with AATCC Test Method 127.
4. Basis Weight: 2.7 oz/yard squared, when tested in accordance with TAPPI Test Method T-410.
5. Air Resistance: Air infiltration at >1500 seconds, when tested in accordance with TAPPI Test Method T-460.
6. Tensile Strength: 38/35 lbs/inch, when tested in accordance with ASTM D882, Method A.
7. Tear Resistance: 12/10 lbs., when tested in accordance with ASTM D1117.
8. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E 84. Flame Spread: 10, Smoke Developed: 10.

2.3 Accessories
A. Seam Tape: 3 inch wide, DuPont Tyvek Tape for commercial applications.

B. Fasteners:
1. For steel frame construction - DuPont Tyvek Wrap Cap Screws, as manufactured by DuPont Building Innovations: 1-5/8" rust resistant screw with 2-inch diameter plastic cap or manufacturer approved 1-1/4" or 2" metal gasketed washer.
2. For wood frame construction - Tyvek Wrap Caps, as manufactured by DuPont Building Innovations: #4 nails with large 1-inch plastic cap fasteners.
3. For masonry construction - masonry tap-con fasteners with Tyvek Wrap Caps as manufactured by DuPont Building Innovations: 2 inch diameter plastic cap fasteners.

C. Adhesives:
1. Provide adhesive recommended by weather barrier manufacturer.
2. Products:
a. Liquid Nails LN-109
b. Polyglaze SM 5700
c. Denso Butyl Liquid
d. 3M High Strength 90
e. SIA 665
f. Adhesives recommended by the weather barrier manufacturer.

D. Primers:
1. Provide flashing manufacturer recommended primer to assist in adhesion between substrate and flashing.
2. Product:
a. 3M High Strength 90
b. Denso Butyl Spray
c. SIA 655
d. Permagrip 105
e. ITW TACC Sta' Put SPH
f. Primers recommended by the flashing manufacturer.

E. Flashing:
1. DuPont FlexWrap, as manufactured by DuPont Building Innovations: flexible membrane flashing materials for window openings and penetrations.
2. DuPont Straightflash, as manufactured by DuPont Building Innovations: straight flashing membrane materials for flashing windows and doors and sealing penetrations such as masonry ties, etc.
3. DuPont Straightflash VF, as manufactured by DuPont Building Innovations: dual-sided straight flashing membrane materials for brick mold and non-flanged windows and doors.

3.1 Examination
A. Verify substrate and surface conditions are in accordance with weather barrier manufacturer recommended tolerances prior to installation of weather barrier and accessories.

3.2 Installation - Weather Barrier
A. Install weather barrier per regional requirements in accordance with manufacturer recommendations.
B Install weather barrier prior to installation of windows and doors.
C. Start weather barrier installation at a building corner, leaving 6-12 inches of weather barrier extended beyond corner to overlap.
D. Install weather barrier in a horizontal manner starting at the lower portion of the wall surface with subsequent layers installed in a shingling manner to overlap lower layers. Maintain weather barrier plumb and level.
E. Sill Plate Interface: Extend lower edge of weather barrier over sill plate interface 3-6 inches. Secure to foundation with elastomeric sealant as recommended by weather barrier manufacturer.
F. Window and Door Openings: Extend weather barrier completely over openings.
G. Overlap weather barrier
1. Exterior corners: minimum 12 inches.
2. Seams: minimum 6 inches.
H. Weather barrier Attachment:
1. For steel or wood frame construction - Attach weather barrier to studs through exterior sheathing. Secure using weather barrier manufacturer recommended fasteners, space 12-18 inches vertically on center along stud line, and 24 inch on center, maximum horizontally.
2. For masonry construction - Attach weather barrier to masonry. Secure using weather barrier mfr recommended fasteners, spaced 12-18 inches vertically on center and 24 inches maximum horizontally. Weather barrier may be temporarily attached to masonry using recommended adhesive, placed in vertical strips spaced 24 inches o.c., when coordinated on the project site.
I. Apply 4 inch by 7 inch piece of DuPont StraightFlash to weather barrier membrane prior to the installation cladding anchors.

3.3 Seaming

A. Seal seams of weather barrier with seam tape at all vertical and horizontal overlapping seams.
B. Seal any tears or cuts as recommended by weather barrier manufacturer.

3.4 Opening Preparation (for use with non-flanged windows - all cladding types)

A. Flush cut weather barrier at edge of sheathing around full perimeter of opening.
B. Cut a head flap at 45-degree angle in the weather barrier at window head to expose 8 inches of sheathing. Temporarily secure weather barrier flap away from sheathing with tape.

3.5 Flashing (for use with non-flanged windows - all cladding types)

A. Cut 9-inch wide DuPont FlexWrap a min of 12 inches longer than width of sill rough opening. Apply primer as required by mfr.
B. Cover horizontal sill by aligning DuPont FlexWrap edge within side edge of sill. Adhere to rough opening across sill and up jambs a minimum of 6 inches. Secure flashing tightly into corners by working in along the sill before a adhering up the jambs.
C. Fan DuPont FlexWrap at bottom corners onto face of wall. Firmly press into place. Mechanically fasten fanned edges.
D. Apply 9-inch wide strips of DuPont StraightFlash at jambs. Align flashing with interior edge of jamb framing. Start DuPont StraightFlash at head of opening and lap sill flashing down to the sill. Spray-apply primer to top 6 inches of jambs and exposed sheathing.
E. Install DuPont FlexWrap at opening head using same installation procedures used at sill. Overlap jamb flashing min 2 inches.
F. Coordinate flashing with window installation.
G. On exterior, install backer-rod in joint between window frame and flashed rough framing. Apply sealant at jambs and head. leaving sill unsealed. Apply sealants in accordance with sealant manufacturer's instructions and ASTM C 1193.
H. Position weather barrier head flap across head flashing. Adhere using 4-inch wide DuPont StraightFlash over the 45-degree seams.
I. Tape top of window in accordance with manufacturer recommendations.
J. On interior, install backer rod in joint between frame of window and flashed rough framing. Apply sealant around entire window to create air seal. Apply sealant in accordance with sealant manufacturer's instructions and ASTM C 1193.

3.6 Protection
A. Protect installed weather barrier from damage.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:

ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:

G012

SECTION 07512 - ROOFING SYSTEM REPAIR

1.1 General: When penetration of the existing roofing system is required to accommodate new construction, perform necessary roofing system repair.

A. Coordination: Before starting work, verify with the Tenant's Construction Manager and the Owner the following:
   1. Existing roof system materials and installation methods.
   2. Repair work responsibilities and warranty requirements. To maintain original warranty, where provided use original roof contractor.

B. Qualifications: Repair work shall be performed only by an experienced roofing installer approved or licensed by the existing roofing system materials manufacturer; with not less than five years of successful experience installing and repairing roofing systems similar to this projects existing roofing system.

2.1 Materials:

A. Provide and install only materials approved and recommended by the roofing manufacturer for repairing the existing roofing system.

3.1 Installation:

A. Preparation: Inspect roof surface conditions with roof manufacturer's representative to verify extent and location of any other repairs required to ensure a watertight roofing system upon completion of the repair work.

B. Make necessary repairs. Match existing roof slope, insulation materials and roofing membrane materials, except as otherwise approved by the existing roofing system manufacturer to accommodate new construction and repair work.

C. Install curb flashing furnished by mechanical and electrical trades for new roof top equipment.

SECTION 07540 - THERMOPLASTIC MEMBRANE (PVC) ROOFING

1.1 General: Provide the thermoplastic membrane (PVC) roofing system as shown and specified.

A. Standards: Materials and construction shall conform to following:
   1. ASTM D5036 "Application of Adhered Poly(Vinyl Chloride) Sheet Roofing."
   2. FM 1-29 Loss Prevention Data Adhered or Mechanically Attached Single Ply Membrane Roof Systems."
   3. NRCA "Single-Ply Roofing Membrane."
   4. UL "790 - Tests for Fire Resistance of Roof Covering Materials."

B. Installer Qualifications: An experienced roofing installer approved by roofing system manufacturer and with not less than five years of successful experience installing membrane roofing systems similar to those required for this project.

C. Deliver, store and handle roof system materials in accordance with manufacturer's recommendations to avoid damage and deterioration.
   1. Comply with manufacturer's recommendations for handling and protection during installation.

D. Install roofing work only when weather conditions are in compliance with manufacturer's specific environmental requirements and conditions will permit work to be performed in accordance with manufacturer's recommendations and warranty requirements.
   1. Protect adjacent materials and surfaces from damage and soiling during roofing system installation.
   2. Provide special protection on completed roofing work.
   3. Protect paving and structure walls adjacent to hoists before starting work.
   4. Do not overload the building structure with storage of materials or installation equipment on the substrate

decking.

E. Warranty
   1. Contractor and roof system installer shall jointly warrant roofing materials and installation for a period of two years from the date of Substantial Completion. Warranty shall include roofing membrane, flashing, roof insulation, roofing accessories and sheet metal work provided under Section 07600.
   2. Manufacturer's warranty: Submit executed copy of roofing system manufacturer's 15 year total system warranty, including labor and materials for the entire roof system. Including perimeter edge metal, Section 07600 Flashing & Sheet Metal

2.1 Materials

A. Manufacturer: Duro-Last Roofing, Inc, (800)248-0280, Austin Russell, austin.russell@holcim.com, www.duro-last.com
   1. Basis of Design Product Roofing System
      a. Thermoplastic single ply membrane roofing system: DL Membrane (PVC) fully adhered, smooth surface, UL Class A fire-rated single ply membrane roofing system.
      b. Thermoplastic fiber reinforced PVC membrane, not less than 40 mils (.040), complying with ASTM D4434 and membrane manufacturer's published physical properties.

B. Comparable Alternate Roof Manufacturers:
   1. Versico Roofing Systems, (480) 528-6923, Jeff Kelly, jeff.kelly@versico.com
      a. VersiFlex PVC Adhered System
   2. Other comparable alternates can be considered when approved by Arch PM and Chipotle DM/CM.

C. The roof covering design must resist a wind load of 100 mph, Exposure C and shall resist impact damage based on results of tests based on the results of tests conducted in accordance with ASTM D 3746, ASTM D 4272, CGSB 37-GP-52M or FM 4470
   1. Insulation cover board: Georgia-Pacific Corp. (800) 284-5347, internet www.gp.com, "Dens-Deck" nonstructural fiberglass- faced, silicone-treated gypsum core panels, 1/2"" thickness.
   2. Roof insulation: Rigid closed cell polyisocyanurate boards approved by the membrane manufacturer; complying with ASTM C1289, Type II, minimum 20 psi compressive strength, aged R-value equal 5.6 per inch of thickness.
      a. Provide a double layer installation. Minimum total R-value as indicated on plans.
      b. Specified perimeter edge metal shall be compliant with International Building Code ANSI / SPRI ES-1, ER2 testing requirements.
   3. Flashing: Roof system manufacturer's standard sheet flashing of same material, type, and color as sheet membrane. Specified perimeter edge metal will be compliant with International Building Code ANSI / SPRI ES-1, RE2 testing requirements.
   4. Membrane Bonding Adhesive: Roof system manufacturer's standard membrane bonding adhesive.
   5. Insulation and Cover Board Adhesive: Dow Chemical Company, (888) 868-1183, internet www.flexibeproducts.com, "INSTA-STIK Professional Roof Insulation Adhesive", a single component, moisture cured polyurethane adhesive.
   6. Fasteners: Roof system manufacturer's standard fasteners for project conditions indicated.
   7. Accessories: Roof system manufacturer's recommended pourable sealers, preformed penetration flashing, preformed corner flashing, seam caulk, termination bars and other accessories required for substrate surfaces and installation conditions indicated.
   8. Traffic walkways: Duro-Last Roof Track II walkway pads.3.1Installation

3.1 Installation

A. Preparation:
   1. Clean substrate surfaces of debris and other substances detrimental to roofing installation.
   2. Correct unsatisfactory conditions before starting roofing. Roof deck surface conditions shall comply with manufacturer's requirements and be acceptable to the roofing system installer.

B. Installation:
   1. General: Provide roofing system materials and installation complying with roofing system manufacturer's instructions and governing codes and regulations.
      a. Mix and apply roof insulation and cover board adhesive in strict accordance with the adhesive manufacturer's installation instructions. Dispense adhesive at manufacturer's recommended application rate using approved dispensing equipment.
   2. Roof insulation.
      a. Extend insulation full thickness over entire surface to be insulated. Cut and fit around obstructions; fill all voids with insulation. Provide saddles and tapered edges as required to provide positive proper drainage.
      b. Install and secure in place with insulation adhesive, a double layer of insulation units of the required thickness. Run long joints of insulation in continuous straight lines, perpendicular to roof slope, with end joints staggered between rows. Stagger joints of each layer of insulation. Butt edges to moderate contact. Limit joints between adjacent units to maximum 1/4".
   3. Insulation cover board: Install and secure in place with insulation adhesive a single layer of insulation cover board on installed roof insulation. Secure cover board in accordance with membrane manufacturer's recommendations. Stagger joints with joints of roof insulation.
   4. Thermoplastic membrane: Comply with membrane manufacturer's instructions and recommendations for handling and installing single ply membrane roofing.
      a. Unroll and position roofing sheet membrane without stretching. Align top sheet with pr-marked lines on bottom sheet. Allow membrane to "relax" for at least 30 minutes before adhering, splicing and flashing.
      b. Adhere membrane to insulation cover board with bonding adhesive. Broom bonded membrane to achieve maximum contact.
      c. Join membrane seams using approved heat welding equipment. Check all splices for voids and repair voids with heat gun and roller.
      d. When required, mechanically fasten membrane at roof perimeter, curb flashing and similar penetrations in accordance with manufacturer's installation instructions.
      e. Flash and make weathertight all equipment curbs, pipes, conduits, drains and other penetrations or projections through sheet roofing using roofing system manufacturer's recommended flashing materials, accessories and procedures.
   5. Install roof accessories and traffic walkways in accordance with manufacturer's instructions.
   6. Install sheet metal work furnished under section 07600.

SECTION 07600 - FLASHING AND SHEET METAL

General:
A. Standards: Materials and construction shall conform to following:
   1. SMACNA "Architectural sheet Metal Manual- 1993."
B. Installation: Performed under Section 07540 work.

1.1 Pre-manufactured perimeter edge metal and accessories

Manufacturer: Duro-Last Roofing / Exceptional Metals, Inc, (800) 248-0280, Jason Dark, www.Duro-Last.com
A. Duro-Last / Exceptional Metals Snap Coping made of 24-gauge galvalume, cover provided with Kynar architectural finish providing a 35 year finish warranty. Meets ANSI/SPRI ES-1 2003 method RE-2 testing requirements. (Color - Refer to Exterior Elevations)
B. Duro-Last / Exceptional Metals Vinyl backed scupper. Scupper profile & size indicated Fig 1-20.

1.2 General: Miscellaneous sheet metal

A. Standards: Materials and construction shall conform to following:
   1. SMACNA "Architectural sheet Metal Manual- 1993."
B. Installation: Performed under Section 07540 work.

2.1 Materials:
A. Galvanized steel: ASTM A653 commercial quality sheet steel with 0.2% copper, G90 hot-dip galvanized. Gage indicated.
   1. Scuppers: Minimum 16 gage.
   2. Coping/Wall caps: Minimum 18 gage.
B. Aluminum sheet: ASTM B209 alloy 3003, temper as required for forming and performance. Thickness indicated.
   1. Conductor Boxes: Minimum 0.040"thickness.
   2. Downspouts: Minimum 0.025"thickness.
C. Joint sealers: One-component silicone elastomeric joint sealant complying with ASTM C920. Color matched to sheet metal finish.
D. Metal accessories: Provide sheet metal fasteners, clips, straps, anchoring devices and similar accessory units as required for installation of work, matching or compatible with material installed, non-corrosive, size and gage as required for performance and acceptable to the Architect.
E. Fabrication: Shop fabricate sheet metal work to comply with profiles and sizes indicated and to comply with standard industry standards as shown by SMACNA in the "Architectural Sheet Metal Manual."
   1. Conductor boxes: SMACNA Chapter 1 - Roof Drainage Systems. Profile and size indicated Fig 1-25.
   2. Scuppers: SMACNA Chapter 1 - Roof Drainage Systems. Profile and size indicated Fig 1-20.
   3. Downspouts: SMACNA Chapter 1 - Roof Drainage Systems. Profile and size indicated. Installation Fig. 1-31 with strap hanger Fig. 1-35.
   4. Formed coping/wall caps: SMACNA Chapter 3 - Copings. Design Fig 3-1. Profile and size indicated with Fig. 3-3 butt joints and concealed back-up plates. Install formed copings with continuous cleat fasteners similar to Fig 3-1 at exposed face and screw fasteners with washers space maximum 24" on center at roof side.

3.1 Installation:

A. Preparation: Coordinate sheet metal work with other work for the correct sequencing of items which make up the entire roof system of weatherproofing and rain drainage:
B. Installation: Comply with SMACNA "Architectural Sheet Metal Manual" recommendations, drawing details and approved shop drawings for installation of the work.
   1. Anchor sheet metal items securely in place by methods indicated, providing for thermal expansion. Conceal fasteners and expansion provisions whenever possible. Install joint sealants where required.
   2. Set units true to lines and levels indicated. Install work with sealed laps, joints and seams that will be permanently watertight and weatherproof. Bed flanges of sheet metal work in thick coat of roofing cement or sealant compatible with roofing membrane.
   3. Separate sheet metal work from dissimilar metals and treated wood materials. Provide rosin-sized paper slipsheet over treated wood.
   4. Fabricate, support and anchor conductor boxes and downspouts to withstand thermal expansion, stresses and full loading by ice or water without damage, deterioration or leakage.

SECTION 076113 - SHEET METAL WALL PANELS

1.1 General:
A. Standards:
   1. Furnish all labor, material, tools, equipment and services for all preformed fascia and wall panels as indicated, in accord with provisions of Contract Documents.
   2. Completely coordinate with work of all other trades.
   3. Although such work is not specifically indicated, furnish and install all supplementary or miscellaneous items, appurtenances and devices incidental to or necessary for a sound, secure and complete installation.

B. Related work specified elsewhere:

   1. Structural steel: Section 05100
   2. Steel joists: Section 05200 or 05400
   3. Flashing and sheet metal: Section 07600

1.2 Quality Assurance:

A. Applicable standards:
   1. SMACNA: "Architectural Sheet Metal Manual" Sheet Metal and Air Conditioning Contractors National Association, Inc.
   2. AISC:"Steel Construction Manual" American Institute of Steel Construction.
   3. AISI: "Cold Form Steel Design Manual: American Iron and Steel Institute.
   4. ASTM A792-83-AZ50: Specifications for steel sheet, aluminum-zinc alloy coated (galvanized) by the hot dip process, general requirements (Galvalume).

B. Manufacturer's qualifications:
   1. Manufacturer has a minimum of three years experience in manufacturing metal wall systems of this nature. Panels specified in this section shall be produced in a factory environment (not job site roll formed) with fixed base roll forming equipment assuring the highest level of quality control. A letter from the manufacturer certifying compliance will accompany the product material submittals.

1.3 Product Delivery, Storage and Handling

A. Delivery: Deliver metal wall system to job site properly packaged to provide protection against transportation damage.
B. Handling: Exercise extreme care in unloading, storing and erecting metal wall system to prevent bending, warping, twisting and surface damage.
C. Storage: Store all materials and accessories above ground on well skidded platforms. Store under waterproof covering. Provide proper ventilation of metal wall system to prevent condensation build up between each panel or trim/ flashing component.

2.1 Materials

A. Metal wall system profile:
   1. Shadow Rib: 3 inch deep x 16 inch width with 1 1/2 inch deep x 5 1/4 inch wide fluting
B. Metal wall system style:
   1. Fluted face
   2. Concealed fasteners
C. Gauge: 24 gauge
D. Substrate: Per Plans
E. Texture: Smooth
F. Finish: Premium thermoset silicone polyester (20 year warranty)
G. Color: Polar White, to be painted per Exterior Elevations
H. Acceptable Manufacturer: MBCI Houston, Texas (281) 445-8555.

3.1 Surface Conditions

A. Examination:
   1. Inspect installed work of other trades and verify that such work is complete to a point where this work may continue.
   2. Verify that installation may be made in accordance with approved shop drawings and manufacturer's instructions.

3.2 Installation

A. Install metal wall system system so that it is weathertight, without waves, warps, buckles, fastening stresses or distortion.
B. Install metal wall system in accordance with manufacturer's instructions and shop drawings.
C. Provide concealed anchors at all panel attachment locations.
D. Install panels plumb, level and straight with seams parallel, conforming to design as indicated.

3.3 Cleaning, Protection

A. Dispose of excess materials and remove debris from site.
B. Clean work in accordance with manufacturer's recommendations.
C. Protect work against damage until final acceptance. Replace or repair to the satisfaction of the architect and work that becomes damaged prior to final acceptance.
D. Touch up minor scratches and abrasions.

3.4 Field Painting

A. Refer to section 09900 on G017
B. Follow manufacturer's technical bulletin for Precoated Signature 200 MBCI wall panels.

Section 07900 – JOINT SEALERS

1.1 General: Provide joint sealers as shown and specified.

A. Standards:Comply with ASTM C 920 requirements.

B. Application: Performed by skilled, experienced joint sealer applicators.

2.1 Materials:

A. Poly urethane sealants:
   1. Tremco Commercial Sealants (800) 321-7906, internet www.tremcosealants.com,
      a. "Dymonic FC" One component, fast skinning, Low Modulus Polyurethane.
      b. "Dymeric 240 FC" Multi Component. gun grade, chemically curing, tintable fast setting polyurethane sealant.
   2. Sonneborn, (724) 756-9582, internet www.sonneborn.com
      a. Color pack for polyurethane multi component, gun grade chemically curing sealant.

B. Silicone Sealants:
   1. General Electric Silicones, (800) 295-2392, internet www.gesilicones.com
      a. "SCS1700 Sanitary – Mold/Mildew Resistant Silicone", one component 100% silicone, fungicidal based sealant.
      b. "SCS2700 Silprul Silicone" one component medium modulus, natural cure silicone all purpose sealant.
      c. "Siliglaze II SCS2800- Glazing Sealant" one component, 100% silicone based sealer.
      d. "GE Paintable Silicone" one component paintable silicone.
      e. "SCS1009 Silicone Sealant" one-component acetoxy silicone for general purpose sealing and bonding
   2. Dow Corning Silicones, (989)496-4000, www.dowcorning.com
      a. "Dow 795" – one component, medium modulus, natural cure silicone.

C. Firestopping Sealants: 3M Fire Protection Products, (800) 328-1687, internet www.3M.com/firstop
   1. "3M Fire Barrier CP 25WB+ Caulk" or approved equal

D. Joint backing: Non-absorptive, non-staining compressible, non-gassing, polyethylene foam backer rod compatible with joint sealants.

3.1 Installation:

A. Preparation: Clean and prepare joints prior to installing sealers:
   1. Wipe shipping oils from surfaces to be sealed. Remove protective films and/or install joint backer rod if joint is larger than ¼" in width.

B. Installation: Install joint sealant materials in strict accordance with manufacturer's installation instructions.
   1. Apply sealants in a uniform, continuous bead without gaps or air pockets. Hand tool and finish all joints so that a smooth, small, lip free uniform line is created along the substrate being shot. Remove any excess materials from tooled edges and ends of joint.
   2. Install joint sealants to a depth no more than ½ the width of the joint.
   3. Install sealants by proven techniques that result in sealants directly contacting and fully wetting joint substrates, completely filling recesses provided for each joint configuration, and providing uniform, cross-sectional shapes and depths relative to joint widths which allow optimum sealant movement capability.
   4. Immediately, after sealant application, and prior to time skinning or curing begins, tool sealants to form smooth, uniform beads of configuration indicated to eliminate air pockets, and to ensure contact and adhesion of sealant with sides of joint. Remove excess sealants from surfaces adjacent to joint. Do not use tooling agents which discolor sealants or adjacent surfaces or are not approved by sealant manufacturer.
   5. Clean off excess sealants or sealant smears adjacent to joints as work progresses by methods and with cleaning materials approved by manufacturers of joint sealers and of products in which joints occur.

4.1 Sealant Schedule:

A. Kitchen Area:
   - Provide a continuous bead of white GE SCS1700 silicone at the following locations:
      1. Ceiling grid to FRP wall panels
      2. Base of FRP wall panels to T.O. specified base material.
      3. Walk in cooler walls to FRP wall panels.
      4. Stainless closure pieces at cooler walls to FRP wall panels.
      5. FRP/stainless corner guards to FRP wall panels.
      6. Ceiling tile pipe penetrations.
      7. Wall pipe penetrations and/or escutcheons perimeters. (water & gas lines).
      8. Mop sink stainless surround perimeter to walls.
      9. FRP closure panel, at top of cooler, to cooler walls.
      10. FRP wall panels to hollow metal door frames.
      11. Coke line bundle to PVC cap.
      12. FRP inside corner pieces to FRP wall panels. Both sides of corner piece.
      13. Battery backup cover panel to FRP.
      14. Faucet's to FRP wall panels.
      15. FRP wall panels to quarry tile cove base.
      16. FRP to aluminum plate at walk thru.
      17. Menu board light bracket to ceiling.
      18. Mop sink base at quarry tile.
      19. All sinks (multi-compartment, hand, mop and prep) to FRP/tile walls.
      20. Paper towel dispensers & soap dispensers to FRP/tile walls.

   - Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
      1. Stainless closer pieces, at sides of cooler walls - to cooler walls.
      2. Stainless or aluminum plate closure pieces to diamond plate at cooler walls.
      3. Diamond plate panel seam joints.
      4. Diamond plate perimeter to cooler walls.
      5. Base of diamond plate to quarry tile cove base.
      6. Stainless closure panel, at top of cooler walls, to cooler walls.
      7. Top of quarry tile cove base to cooler walls at inside of cooler.
      8. Cooler wall/diamond plate penetrations.
      9. Cooler door hinges and handles to diamond plate. DO NOT caulk door locking unit.
      10. Stainless wrap at hollow metal door frame.
      11. Stainless mop surround to stainless corners on mop sink.
      12. Base of stainless corner pieces to schluter strip at base.
      13. Exit door threshold perimeters. To frame and floor, interior and exterior.

   - Provide a continuous bead of dark gray GE SCS2000 silicone at the following locations:
      1. Base of hollow metal door jambs to quarry tile floor.

B. Managers Office:
   - Provide a continuous bead of white GE SCS1700 silicone at the following locations:
      1. Ceiling grid to FRP wall panels.
      2. Perimeter of manager's desk to FRP wall panels.
      3. Hollow metal door frame to FRP wall panels.
      4. Top and ends of coat hanger bracket to FRP walls.
      5. Base of FRP wall panels to quarry tile base.
      6. Ceiling tile wire/pipe penetrations.
      7. FRP inside corners to FRP wall panels. Both sides of corner piece.
      8. Base of FRP wall panels to quarry tile.

   - Provide a continuous bead of black or light bronze (use color of safe) GE SCS2000 silicone at the following locations:
      1. Base of safe to floor.

C. Cooking Area:
   - Provide a continuous bead of white GE SCS1700 silicone at the following locations:
      1. Top of wall tile to sheetrock ceiling.
      2. Ceiling diffusers perimeters to sheetrock ceiling.
      3. Ceiling pipe penetrations.
      4. Wall tile to aluminum walk thru surround.
      5. Tile wall penetrations/escutcheons perimeters.
      6. FRP wall panels to sheetrock ceilings.
      7. FRP wall panels to aluminum end wall plates.
      8. FRP inside corners to FRP wall panels. Both sides of corner piece.
      9. Sink to white wall tile.
      10. Paper towel dispenser/soap dispenser to white tile.
      11. POS/Serving counter to wall tile.
      12. Stainless shelf behind grill to wall tile.
      13. Faucets to ceramic wall tile.

   - Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
      1. Joint between hood and closure skirt.
      2. Joint between hood support and hood. Both sides.
      3. Connection joint between stainless shelf behind grill.
      4. Hood to tile walls & sheetrock ceiling.
      5. Hood gusset to wall tile on both sides.
      6. Sink to bronze wall tile.
      7. Paper towel dispenser/soap dispenser to bronze tile.
      8. DML counter to bronze tile.

   - Provide a continuous bead of dark gray GE SCS2000 at the following locations:
      1. Base of equipment to concrete curbs/quarry tile.

   - Provide a continuous bead of bronze GE SCS2097 at the following locations:
      1. Ceramic tile inside corners.
      2. Ceramic tile to aluminum end wall plates.

D. Restrooms:
   - Provide a continuous bead of white GE SCS1700 silicone at the following locations:
      1. Top of FRP to sheetrock ceiling or top of FRP trim to sheetrock wall.
      2. Perimeter of toilets/urinals to floor or FRP.
      3. Perimeter of mirror to FRP.
      4. Sink to wall.
      5. Perimeter of paper towel/garbage unit to wall.
      6. Toilet paper/napkin disposals units to walls.
      7. Stainless shelf to wall.
      8. Wall penetrations under sink and or escutcheons to perimeters.
      9. Hollow metal door frames to FRP.
      10. Base of FRP wall panels to top of wall base.
      11. FRP inside corners to FRP wall panels.

   - Provide a continuous bead of black GE SCS2000 silicone at the following locations:
      1. Base of black rubber wall base to floor.

   - Provide a continuous bead of dark gray GE SCS2000 silicone at the following locations:
      1. Base of hollow metal door frames to floor.

E. Dining area:
   - Provide a continuous bead of white GE SCS1700 silicone at the following locations:
      1. Wall tile to sheetrock walls.
      2. Perimeter of aluminum storefront/windows/entrances to sheetrock walls.
      3. Wainscot wall panels (Stonewood or other) to painted walls.
      4. Diffuser/louvers perimeters to sheetrock walls.
      5. Hollow metal door frames to painted walls - if needed.
      6. Frame of service line counter to tile (joint to be caulked behind front face panels of counter).
      7. Wall tile at serving line wall to POS counter.

   - Provide a continuous bead of black GE SCS2000 silicone at the following locations:
      1. Base of black rubber to floor (concrete or quarry tile) and gyp. bd. wall.
      2. Wainscot (Stonewood or other) wall panels to sill of aluminum storefront/ windows.
      3. Vertical joints of wainscot (Stonewood or other) wall panels to frames/painted walls/tile (ONLY if joint is uneven or plywood is showing).
      4. Stonewood panels at serve line.

   - Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
      1. Base of garbage surround to floor.

   - Provide a continuous bead of Dow 795 silicone at the following locations:
      1. Sill of aluminum storefronts to concrete or tile floor. Color to be determined per store to match storefront (Charcoal/Anodized Aluminum/Dark Bronze).

F. Utensil Counter:
   - Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
      1. Stainless countertop to backsplash. Horizontal & vertical joints.
      2. Base of Coke machine to countertop.
      3. Perimeter of tea drain tray to countertop.
      4. Stainless backsplash to white tile walls/painted walls.

   - Provide a continuous bead of white GE SCS1700 silicone at the following locations:
      1. Coke line bundle to PVC cap.

G. Fire Rated Walls:
   - Provide a continuous bead of 3M 25WB+ at the following locations:
      1. Wall/ceiling penetrations in rated walls.

H. Exterior Joints:
   - Provide a continuous bead of Tremco Dymeric limestone urethane sealant at the following locations:
      1. Sidewalk/concrete expansion joints.

   - Provide a continuous bead of Dow 795 silicone or Tremco Dymeric 240 FC at the following locations:
      1. Hollow metal door frames.
      2. EIFS to abutting services.
      3. Penetrations in EIFS.
      4. Face brick or block control joints.
      5. Perimeter of Aluminum Storefronts.
      *Colors to be determined per store to match adjacent material colors. Verify with Chipotle Construction Manager and Architect.
         - For "Fog" EIFS use Tremco - "Natural White"
         - For "Knight's Armor" EIFS use Sonneborn - "Charcoal Gray" #276-U
         - For white brick use Tremco - "China White"
   - Provide a continuous bead of aluminum GE SCS1009 silicone at the following location:
      1. CO2 fill port stainless box.
      2. Faucet for hose. (Please note: color to be determined per store. Verify with Chipotle Construction Manager and Architect).

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Willkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:

ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:

G013

DIVISION 8 - DOORS AND WINDOWS

SECTION 08110 - STEEL DOORS AND FRAMES

1.1 General: Tenant to provide steel doors and frames as shown and specified.

A. Standards: Materials and construction shall conform to the following:
1. ANSI A250.8-2009 "Specifications for Standard Steel Doors and Frames."
2. ANSI A250.11-01 "Erection Instructions for Steel Frames."
3. SDI 122-99 " Installation for Standard Steel doors and Frames.

B. Manufacturer: A member of the Steel Door Institute (SDI).

2.1 Materials:

A. Steel Doors:
1. Interior: Heavy-duty Level 2, physical performance B, Model 2 seamless construction, ASTM A1008, 18 gage cold-rolled steel face sheets, manufacturer's standard core.

2. Exterior: Extra heavy-duty Level 3, physical performance A, Model 2 seamless construction, ASTM A1008, 16 gage cold-rolled steel face sheets; tops and bottoms closed with flush galvanized steel caps, manufacturer's standard plastic foam insulating core.

B. Steel Frames: ASTM A1008, 16 gage cold-rolled steel.
1. Provide combination buck, jamb and trim type frames for 1-3/4" thick doors, unless otherwise indicated.
2. Interior and exterior frames: Set-up welded type with mitered corners, reinforced, fully seam welded with exposed welds ground smooth.

C. Door and frame fabrication:
1. Provide cutouts for mortised hardware, accurately located and made to fit hardware. Provide closer reinforcement for all doors with surface mounted door closers.
2. Punch frames and factory install rubber door silencers.
3. Provide minimum three anchors of suitable design for each jamb.
4. Provide floor clip on bottom of each jamb. Provide angle spreaders at bottom of each set-up frame.

D. Shop painting: Clean and paint exposed surfaces of steel door and frame units. Apply one baked-on shop coat of rust-inhibitive prime paint in accordance with ANSI A250.10, unless doors and frames are used at the restrooms or as indicated on door hardware and finish schedule. Provide a uniformly finished surface ready to receive finish paint.

3.1 Installation:

A. Install frames plumb, level, rigid, and in true alignment as recommended in ANSI A250.11.

B. Install doors plumb and in true alignment and fastened to achieve the maximum operational effectiveness and appearance as recommended in SDI 122.

SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

1.1 General: Provide aluminum entrances and storefronts as shown and specified.

1.2 Related Documents:

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this section.

B. Standards: Materials and construction shall conform to the following:
1. AAMA SFM-1-87 "Aluminum Storefront and Entrance Manual."

1.3 Summary:

A. Section Includes:
1. Kawneer Architectural Aluminum Storefront Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of storefront units.
   a. Types of Kawneer Aluminum Storefront include:
      (1.) Trifab 601T Storefront System - 2" x 6" nominal dimension; Thermal; Center-Set
      (2.) Trifab VG 451T Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set

2. Kawneer Aluminum Entrances, glass and glazing, and components
   a. Types of Kawneer Aluminum Entrances include:
      (1.) 500 Swing Door; Wide stile, 5" vertical face dimension, 1-3/4" depth, high traffic applications or as indicated on Drawings.

3. Kawneer Tube for Feature Exterior Slat Wall

4. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.
   a. YKK
      (1.) YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
   b. Oldcastle
      (1.) Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
   c. US Aluminum
      (1.) Series FT451 - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
   d. EFCO
      (1.) Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal
   e. Wausau
      (1.) TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal

1.4 Performance Requirements:

A. General Performance: Aluminum-framed storefront system shall withstand the effects of the following performance requirements without exceeding performance criteria or failure due to defective manufacture, fabrication, installation, or other defects in construction;
1. Design Wind Loads: Determine design wind loads applicable to the Project from basic wind speed indicated in miles per hour, according to ASCE 7, Section 6.5, "Method 2-Analytical Procedure," based on mean roof heights above grade indicated on Drawings.
   a. Basic Wind Speed (MPH): Determine to meet local codes listed on A000
   b. Importance Factor: (1.00)
   c. Exposure Category (A, B, C, D): Determine to meet local codes listed on A000

B. Storefront System Performance Requirements:
1. Wind loads: Provide storefront system; include anchorage, capable of withstanding inward and outward wind load design pressures meeting local codes listed on sheet A000.
2. Air Infiltration:
   a. Air Infiltration for storefront frame system: The test specimen shall be tested in accordance with ASTM E 283. Air infiltration rate shall not exceed 0.06 cfm/ft. sq. at a static air pressure differential of 6.24 psf.
   b. Air Infiltration for storefront entrances: For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested in accordance with ASTM E 283 at a pressure differential of 6.24 psf (300 Pa) for single doors and 1.567 psf (75 PA) for pairs of doors. A single 3'0" x 7'0" entrance door and frame shall not exceed 0.50 cfm per square foot. A pair of 6'0" x 7'0" entrance doors and frame shall not exceed 1.0 cfm per square foot.
3. Water Resistance: The test specimen shall be tested in accordance with ASTM E 331. There shall be no leakage at a minimum static air pressure differential of 8 psf as defined in AAMA 501.
4. Uniform Load: A static air design load of 20 psf shall be applied in the positive and negative direction in accordance with ASTM E 330. There shall be no defection in excess of L/175 of the span of any framing member. At a structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.
5. Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall be not more than:
   a. Glass to Exterior - 0.47 (low-e)
6. Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than:
   a. Glass to Exterior - 70 frame and 69 glass (low-e)
7. Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC): When tested to AAMA Specification 1801 and in accordance with ASTM E1425 and ASTM E90, the STC and OITC Rating shall not be less than:
   a. Glass to Exterior - 38 (STC) and 31 (OITC)

1.5 Submittals:

A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, hardware, finishes, and installation instructions for each type of aluminum frame storefront system and storefront entrance doors indicated.

B. Shop Drawings: Include plans, elevations, sections, details, hardware, and attachments to work, operational clearances and installation details.

C. Samples for Initial Selection: For units with factory-applied color finishes including samples of hardware and accessories involving color section.

1.6 Quality Assurance

A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope

B. Manufacturer Qualifications: A manufacturer capable of providing aluminum framed storefront system that meet or exceed performance requirements indicated and of documenting this performance by inclusion of rest reports, and calculations.

C. Source Limitations: Obtain aluminum framed storefront system and storefront entrance doors through one source from a single manufacturer.

D. Product Options: Drawings indicate size, profiles, and dimensional requirements of aluminum framed storefront system and are based on the specific system indicated. Do not modify size and dimensional requirements.
1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

1.7 Project Conditions:

A. Field Measurements: Verify actual dimensions of a aluminum framed storefront openings by field measurements before fabrication and indicate field measurements on Shop Drawings.

1.8 Warranty

A. Manufactures Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty.
1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by manufacturer.

2.1 Manufacturers:

A. Manufacturer: Kawneer Company Inc., Contact: Doug Hess, Phone: 317-771-9265; email:doug.hess@arconic.com

1. Basis-of-Design Product Storefront Framing:
   b. Trifab 451T (thermal) Storefront System
      i. 2" x 4-1/2" System Dimensions
      ii. Glass: Exterior (Front-Set)

2. Basis-of-Design Product Storefront Entrances:
   a. The door stile and rail face dimensions of the 500-Wide Stile entrance door will be as follows or as indicated on Drawings: Door: 500; Vertical Stile: 5"; Top Rail: 5"; Bottom Rail: 10"
   b. Major portions of the door members to be 0.125" nominal in thickness and glazing molding to be 0.05" thick.
   c. Glazing gaskets shall be either EPDM elastometric extrusions or a thermoplastic elastomer.
   d. Provide adjustable glass jacks to help center the glass in the door opening.

3. Basis-of-Design Product Feature Exterior Slat Wall:
   a. Kawneer Tube #027881 (1" x 3"), capped at top and bottom
      i. Alternate Exterior Slat Wall only when approved by Arch PM and Chipotle DM.
         1. Architectural Fabrication

B. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.
1. YKK
   a. YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal
   b. YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
2.. Oldcastle
   a. Series 6000XT Storefront System - 2" x 6" nominal dimension; Thermal
   b. Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
3.. US Aluminum
   a. Series FT601 - 2" x 6" nominal dimension; Thermal
   b. Series FT451 - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
4. EFCO
   a. Series 406 (T) Storefront System - 2" x 6-1/2" nominal dimension; Thermal
   b. Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal
5. Wausau
   a. TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal
   b. TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal

2.2 Materials:

A. Provide aluminum entrances and storefront matching the existing building aluminum entrances and storefronts, unless otherwise indicated.

B. Aluminum Frame Extrusions: Alloy and temper recommended by aluminum storefront manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.070" wall thickness at any location for the main frame and complying with ASTM B 221: 6063-T6 alloy and temper.

C. Aluminum Storefront Entrance Extrusions:Alloy and temper recommended by aluminum-framed glass door manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.090" wall thickness at any location for the main frame and sash members.

D. Fasteners: Aluminum, nonmagnetic stainless steel or other materials to be non-corrosive and compatible with aluminum window and door members, trim hardware, anchors, and other components.

E. Anchors, Clips, and Accessories: Aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions, or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.

F. Reinforcing Members: Aluminum, nonmagnetic stainless steel, or nickel/chrome-plated steel complying with ASTM B 456 for Type SC 3 severe service conditions, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.

G. Sealant: For sealants required within fabricated storefront system, provide permanently elastic, non-shrinking, and non-migrating type recommended by sealant manufacturer for joint size and movement.

H. Tolerances: Reference to tolerances for wall thickness and other cross-section dimensions of storefront members are nominal and in compliance with AA Aluminum Standard Data.

2.3 Storefront Framing System:

A. Thermal Barrier: Thermal Break shall be designed in accordance with AAMA TIR-A8 and tested in accordance with AAMA 505.
1. Kawneer IsoLock Thermal Break with a 1/4" separation consisting of a two-part chemically curing, high-density polyurethane, which is mechanically and adhesively joined to aluminum storefront sections.

B. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with non-staining, nonferrous shims for aligning system components.

C. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bearing fasteners and accessories compatible with adjacent materials. Where exposed shall be stainless steel.

D. Perimeter Anchors: When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.

E. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

F. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle storefront material and components to avoid damage. Protect storefront material against damage from elements, construction activities, and other hazards before, during and after storefront installation.

2.4 Glazing Systems:

A. Glazing: As specified in Section 08800 - Glazing.

B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, extruded EPDM rubber.

C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.

D. Bond-Breaker Tape: Manufacturer's standard TFE-fluorocarbon or polyethylene material to which sealants will not develop adhesion.

E. Glazing Sealants: For structural-sealant-glazed systems, as recommended by manufacturer for joint type, and as follows:
1. Structural Sealant: ASTM C 1184, single-component neutral-curing silicone formulation that is compatible with system components with which it comes in contact, specifically formulated and tested for use as structural sealant and approved by a structural-sealant manufacturer for use in aluminum-framed systems indicated.
   a. Color: Black
2. Weatherseal Sealant: ASTM C 920 for Type S, Grade NS, Class 25, Uses NT, G, A, and O; single-component neutral-curing formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structural-sealant, weatherseal-sealant, and aluminum-framed-system manufacturers for this use.
   a. Color: Matching structural sealant.

2.5 Entrance Door Systems:

A. Entrance Door Hardware: As specified in Section 08710 Door Hardware.

2.6 Accessory Materials:

A. Joint Sealants: For installation at perimeter of aluminum-framed systems, as specified in section 07900 - Joint Sealers

2.7 Storefront Framing Fabrication:

A. Framing Members, General: Fabricate components that, when assembled, have the following characteristics:
1. Profiles that are sharp, straight, and free of defects or deformations.
2. Accurately fit joints; make joints flush, hairline and weatherproof.
3. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior.
4. Physical and thermal isolation of glazing from framing members.
5. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
6. Provisions for field replacement of glazing.
7. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.

B. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.

C. Structural-Sealant-Glazed Framing Members: Include accommodations for using temporary support device to retain glazing in place while structural sealant cures.

D. Storefront Framing: Fabricate components for assembly using manufacturers standard installation instructions.

E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

2.8 Storefront Entrance Door Fabrication:

A. Fabricate aluminum-framed glass entrance doors in sizes indicated. Include a complete system for assembling components and anchoring doors.

B. Fabricate aluminum-framed glass doors that are reglazable without dismantling perimeter framing.
1. Door corner construction shall consist of mechanical clip fastening, SIGMA deep penetration plug welds and 1-1/8" long fillet welds inside and outside of all four corners. Glazing stops shall be hook-in type with EPDM glazing gaskets reinforced with non-stretchable cord.
2. Accurately fit and secure joints and corners. Make joints hairline in appearance.
3. Prepare components with internal reinforcement for door hardware.
4. Arrange fasteners and attachments to conceal from view.

C. Weather Stripping: Provide weather stripping locked into extruded grooves in door panels or frames as indicated on manufactures drawings and details.

2.9 Aluminum Finishes:

A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.

B. Factory Finishing:
1. Kawneer Permafluor (70% PVDF), AAMA 2605, Fluoropolymer Coating (Color: Charcoal or as noted on Drawings)
2. Finishing for alternate storefront specifications to be verified by Arch PM and Chipotle DM
   a. YKK "Charcoal" UC99477, Superior Painted Finishes
   b. All others to be verified with samples and submittals to Arch PM

2.10 Brake Metal Trim:

A. Shop Drawings: Show layout and elevations, dimensions and thickness of panels, connections, details and location of joints, sealants and gaskets, method of anchorage, number of anchors, supports, reinforcement, trim, flashings, and accessories.
1. Show actual field measurements on shop drawings.
2. Differentiate between shop and field fabrication.
3. Indicate substrates and adjacent work with which the fabrications must be coordinated.
4. Include large-scale details of anchorages and connecting elements.
5. Include large-scale or schematic exploded or isometric diagrams to fully explain flashing at a scale of not less than 1-1/2 inches per 12 inches (1:10)

2.11 Formed Metal Fabrications - General:

A. Shop assembly: Preassemble items to greatest extent possible. Minimize field splices and field assembly. Disassemble only as necessary for transportation and handling. Mark items clearly for assembly and installation.

B. Coordination: Match dimensions and attachment of formed metal items to adjacent construction. Produce integrated assembles. Closely fit joints; align edges and flat surfaces unless indicated otherwise.

C. Forming: Profiles indicated. Maximize lengths. Fold exposed edges to form hem indicated or ease edges to radius indicated with concealed stiffener. Provide flat, flush surfaces without cracking or grain separation at bends.

D. Reinforcement: Increase metal thickness; use concealed stiffeners, backing materials or both. Provide stretcher leveled standard of flatness and stiffness required to maintain flatness and hold adjacent items in flush alignment.

E. Anchors: Straps, plates and anchors as required to support and anchor items to adjacent construction.

F. Supports: Miscellaneous framing, mounting, clips, sleeves, fasteners and accessories required for installation.

G. Welding and brazing: Weld or braze joints continuously. Grind smooth, fill or dress to produce smooth, flush, exposed surfaces. Do not discolor metal. Grind Smooth, polish, and restore damaged finishes to required condition.
1. Ease exposed edges to small uniform radius.
2. Welded joints.
   a. Carbon Steel: Perform welding in accordance with AWS D1.1/D1.1M.
   b. Stainless Steel: Perform welding in accordance with AWS D1.6/D1.6M
3. Brass/Bronze Brazed Joints:
   a. Perform torch brazing in accordance with AWS C3.4M/C3.4
   b. Perform induction brazing in accordance with AWS C3.5M/C3.5
   c. Perform resistance brazing in accordance with AWS C3.9M/C3.9

H. Performance requirements;
1. Thermal Movements:
   a. Allow for thermal movements in exterior metal fabrications due to temperature changes. Prevent buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects.
   b. Temperature Change Range: 120 degrees F (67 degrees C), ambient; 180 degrees F (100 degrees C), on material surfaces.
2. Corrosion: Prevent galvanic action and other forms of corrosion by isolating metals and other materials from direct contact with incompatible materials.

2.12 Formed Metal Fabrications - Sheet Metal

A. Closures, Trim, and Fill Panels:
1. Form Closures from type and thickness of metal indicated.
2. Conceal fasteners when possible.
3. Drill and tap holes for securing to other surfaces.
4. Provide gaskets where indicated or needed for continuous seal at adjacent surfaces.
5. Miter or cope at corners and reinforce with bent metal plate. Form tight joints.

2.13 Materials

A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections exposed to view on finished units.
B. Galvanized Steel Sheet: ASTM A653/A653M, G90 (Z275) coating. 14 gauge min. thick base material.
C. Anchors, Clips, and Accessories: Use one of the following:
1. Stainless steel complying with ASTM A276/A276M, ASTM A480/A480M, or ASTM A666.
2. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A153/A153M.
3. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A123/A123M Coating Grade 35
4. Interior locations: Carbon steel; zinc coated in accordance with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5.
5. Exterior Locations or in contact with Stainless Steel:
   a. Bolts: Stainless steel; ASTM F593, Group 1 (A1)
   b. Nuts: Stainless steel; ASTM F594.
6. Structural Anchors: Provide anchors where work is indicated to comply with design loads.
   a. Type: Provide chemical or torque controlled expansion anchors.
   b. Capacity: When tested according to ASTM E488/E488M; four times the load imposed when installed in concrete.
7. Nonstructural Anchors: Provide powder-actuated fasteners where work is not indicated to comply wit design loads. Provide size and number required for load, installation, and as recommended by manufacturer, unless indicated otherwise.
D. Fasteners, General: Same basic metal and alloy as formed metal sheet unless indicated otherwise. Do not use metals incompatible with the materials joined.
E. Gaskets: As required to seal joints in decorative formed metal and remain airtight; as recommended in writing by decorative formed metal manufacturer.

2.14 Finishes

A. Finishes, General: Comply with NAAMM AMP 500-06
1. Complete mechanical finishes before fabrication. After fabrication, finish joints, bends, abrasions and surface blemishes to match sheet.
2. Protect mechanical finishes on exposed surfaces from damage.
3. Apply organic and anodic finishes to formed metal after fabrication unless indicated otherwise.
4. Appearance: Limit variations in appearance of adjacent to one-half the range represented in approved samples. noticeable variations in the same piece are not acceptable. Install components in the range of approved samples to minimize contrast.
B. Galvanized Steel Finishes:
1. Repair Galvanized Surfaces: Clean welds and abraded areas and repair galvanizing to comply with ASTM A780/A780M
2. Color: As shown on the drawings.
3. Factory Prime: Apply shop primer to prepared surfaces of items where field painting after installation indicated, unless indicated otherwise. Comply with requirements in SSPC-PA1
4. High Performance Organic Coatings: AAMA 2604; multiple coats, thermally cured fluoropolymer system.

3.1 Examination:

A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight framed aluminum storefront system installation.
1. Masonry Surfaces: Visibly dry and free of excess mortar, sand, and other construction debris.
2. Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches of opening.
3. Metal Surfaces: Dry; clean; free of grease, oil, dirt, rust, corrosion, and welding slag; without sharp edges or offsets at joints.
4. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 Installation:

A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum framed storefront system, aluminum swing storefront entrance doors, accessories, and other components.

B. Install aluminum framed storefront system and storefront doors level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.

C. Set sill members and door threshold in bed of sealant or with gaskets, as indicated, for weather tight construction.

D. Install aluminum framed storefront system and components to drain condensation, water penetrating joints, and moisture migrating within sliding door to the exterior. Refer to section 07900 - Joint Sealers.

E. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.

F. Install aluminum storefront framing system glass and glazing, in accordance with section 08800 and the manufacturer's requirements.

3.3 Adjusting, Cleaning, and Protection:

A. Clean aluminum surfaces immediately after installing aluminum framed storefronts. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.

B. Clean glass immediately after installation. Comply with glass manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels, and clean surfaces.

C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.

SECTION 085619 - PASS-THRU WINDOW

1.1 General: Provide door hardware as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. ASTM A240 - Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels.
2. ASTM A653 - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
3. ASTM B209 - Aluminum and Aluminum-Alloy Sheet and Plate.
4. ASTM B221 - Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
5. ASTM B580 - Standard Specification for Anodic Oxide Coatings on Aluminum.
6. ASTM B680 - Standard Test Method for Seal Quality of Anodic Coatings on Aluminum by Acid Dissolution.
7. ASTM C1048 - Heat-Treated Flat Glass--Kind HS, Kind FT Coated and Uncoated Glass.
8. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass.
9. ASTM E774 - Standard Specification for Sealed Insulating Glass Units.
10. Aluminum Association AA DAF-45 - Designation System for Aluminum Finishes.

B. Quality Assurance:
1. Manufacturer Qualifications: Minimum of 25 years successful experience continuously manufacturing pass-thru windows.
2. Installer Qualifications: Installer shall have five years experience manufacturing and fabricating windows of similar type and scope as those specified in this section.
3. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
   a. Finish areas designated by Architect.
   b. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
   c. Refinish mock-up area as required to produce acceptable work.

2.1 Materials:

A. Acceptable Manufacturers. Arch PM to verify required manufacturer per Tenant's assignment.
1. Quikserv; Toll Free: 1.800.388.8307; Email: sales@quikserv.com; Web: https://www.quikserv.com/
2. ReadyAccess; Toll Free: 1.800.621.5045; Email: ready@ready-access.com; Web: https://www.ready-access.com

B. No substitutions allowed. Requirements for manufacturer, design, grade, function, finish, size and other distinctive qualities of each type of door hardware are indicated on the drawings.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus, LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:

ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:

G014

2.2 In-Line Side Sliding Automatic Window and Air Curtain

A. GC to use specification called out on storefont details sheet and/or as directed by Tenant Arch PM.

• Quikserv Custom Automatic Side Sliding Window (Model: SST-4035E-CHIPOTLE): 45 -1/2"W x 41-3/4"H window with 17-3/4" tall transom and (2) sidelights at 29 1/4"W x 41-3/4"H; Complete Unit Size 104"W x 59-1/2"H

1. Service Opening: 19"W x 29-3/4"H
2. Finish: Dark Bronze Anodized
3. Glass: 1" Clear Tempered unit + Low E (Solarban 60e) for fixed and moving panel, sidelights and transom
4. 'CHIPOTLE' package includes pre-wired air curtain with relay to sync operation with window.
   a. Arch PM to verify if heated or ambient air curtain is required per Tenant assignment. Air Curtain mounts to transom.
      i. Heated Air Curtain: Model: QSV1025EI-040-BK
      ii. Ambient Air Curtain: Model: QSK1025AA-BK
5. Refer to interior elevations (A700s) for direction of opening for ordering.

• ReadyAccess Automatic Side Sliding Window: 47 -1/2"W x 43-1/2"H window with 16" tall transom and (2) sidelights at 28 1/4"W x 59-1/2"H; Complete Unit Size 104"W x 59-1/2"H

1. Service Opening: 19"W x 35"H
2. Finish: Dark Bronze Anodized
3. Glass: 3/4" Clear Tempered unit + Low E (Solarban 70XL) for fixed & moving panel, sidelights and transom
4. Arch PM to verify if heated or ambient air curtain is required per Tenant assignment.
   a. Heated Air Curtain: Model: AA300 (replaces transom)
   b. Ambient Air Curtain: Model: AA100 (split transom)
5. Refer to exterior elevations (A300s) for direction of opening for ordering.

B. Alternate California Code Option

1. ReadyAccess: Window 47-1/2" W x 35-3/4"H with double-split transom for air curtain and 10" and (2) sidelights at 28-1/4"W x 59-1/2"H; Complete Unit Size 104"W x 59-1/2"H
   a. Service Opening:15-1/4"W x 28"H, limited to meet CA code.
   b. Ambient Air Curtain, AA100, and relay switch kit included with the West Coast Window package.

2. Quikserv Model: SS-4035-E-CHIPOTLE-CALI, same as above except as noted.
   a. Service Opening: 28"W x 15-3/8"H, limited to meet CA code.
   b. 'CHIPOTLE' package includes pre-wired ambient air curtain with relay to sync operation with window Model: QSK1025AA-BK. Air curtain mounts to transom.

C. Alternate Impact-Resistant and Florida Product Approved Option, Miami Dade Horizontal Bi-Parting Impact Slider

1. Quikserv Model: BP-7241E-IP-CHIPOTLE, Complete Unit Size: 72"W x 41"H.
   a. Service Opening: 29-1/2"W x 27"H
   b. Rough Opening: 72-1/2"W x 41-1/2"H
   c. Glass: Impact Resistant Glass
   d. 'CHIPOTLE' package includes ambient air curtain
      i. Ambient Air Curtain: Model: QSK1025AA-BK, Part Number: 9345.
      ii. Do not mount directly to window, mount on wall above.
   e. Miami-Dade NOA #18-0814.02

2.3 Electrical Requirements

A. Quikserv Electrical Windows: 120V / 60 Hz, 20-amp branch circuit, single phase. Power supplied through base of window. Conforms to UL Standard 325 – Certified to CAN/CSA C22.2 NO. 247. Confirm with Electrical Drawings.

1. Heated Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE)
   a. Separate 230V circuit and Power Supply required for heated air curtain. Air curtain pre-wired through window frame with power supply routed to base of window. Confirm with Electrical Drawings.
2. Ambient Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE) and Alternate California Code Option: Model: SS-4035-E-CHIPOTLE-CALI
   a. Separate circuit not required. Window pre-wired to power and sync operation with air curtain.
3. Ambient Air Curtain for Alternate Impact-Resistant and Florida Product Approved Option (Model: BP-7241E-IP-CHIPOTLE):
   a. Connect to main control board on window to power and synchronize operation with opening and closing of window.

B. ReadyAccess Electrical Windows: 115V / 60 Hz, 15-amp dedicated circuit required. Run power to header on fixed panel side.

1. AA300 Heated Air Curtain
   a. Separate 208V /60 hz /40-amp single phase circuit required.
2. AA100 Ambient Air Curtain (Standard and CA window)
   a. Separate 120V / 60hz / 15-amp single phase circuit required. Run power to center of window above header.

3.1 Installation

A. Install in accordance with manufacturer's instructions.
B. Install pass-thru windows plumb, level, square, true to line, and without warp or rack. Maintain dimensional tolerances and alignment with adjacent Work.
C. Install thermal isolation where components penetrate or disrupt building insulation. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
D. Install pass-thru window components weathertight.
E. Anchor pass-thru windows securely in place to supports. Use attachment methods permitting adjustment for construction tolerances, irregularities, alignment, and expansion and contraction.
F. Separate aluminum from other metal surfaces with bituminous coatings or other means approved by Architect.
G. Coordinate installation of related sheet metal flashing as specified in Section 07 62 00 - Sheet Metal Flashing and Trim.
H. Install perimeter joint sealants as specified in Section 07 91 23 - Backer Rods.

SECTION 08710 - DOOR HARDWARE

1.1 General: Provide door hardware as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. ANSI A117.1-2009 Accessible and Usable Buildings and Facilities.
2. ANSI/BHMA A156 Series Builders Hardware

B. Quality Assurance:
1. Codes and standards: Provide hardware complying with local Building Code requirements and the Tenant's standards for keying and security systems.
2. Project scheduling: Performed by an Architectural Hardware Consultant (AHC).
3. Package each item of hardware and each lockset, complete with all screws, anchors, installation instructions and templates. Identify package indexing with corresponding item number of the hardware schedule.
4. After hardware schedule acceptance, provide necessary templates or physical hardware to required trades for cutting, reinforcing, or preparing their products to receive hardware. Furnish templates to metal door manufacturer's.

2.1 Materials:

A. No substitutions allowed. Requirements for manufacturer, design, grade, function, finish, size and other distinctive qualities of each type of door hardware are indicated on the drawings.

B. Review the keying system with the Tenant and provide the type required.

3.1 Installation

A. Install each hardware item in strict accordance with manufacturer's installation instructions and recommendations. Securely fasten all attached parts. Fit faces of mortised parts snug and flush. Verify operating parts move freely and smoothly without binding or sticking, without excessive clearance.

B. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as required for proper installation and operation. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

C. Mount hardware units at heights indicated in DHI "Recommended Locations for Builders Hardware", unless otherwise required to comply with requirements of governing codes and regulations. Conform to ANSI A117.1 and ADAGG guidelines for accessibility.
1. Top Butts: 5 inches; top of butt from head of frame.
2. Middle Butts: 3'-2", centerline from finish floor.
3. Bottom Butts: 5 inches; finish floor to bottom of butt.
4. Locks: centerline from finish floor per hardware schedule.
5. Knobs: 3'-2", centerline from finish floor.
6. Pulls: centerline from finish floor per hardware schedule.
7. Pushes: centerline from finish floor per hardware schedule.

SECTION 08800 - GLAZING

1.1 General: Provide glass and glazing as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. CPSC 16 CFR Part 1201 (1-91)"Safety Standard for Architectural Glazing Materials."
2. GANA "Glazing Manual - 1990."

B. Quality Assurance:
1. Codes and standards: Provide type of glass and glazing products that comply with ANSI Z97.1 and testing requirements of 16 CFR Part 1201 for category II materials. Comply with all applicable codes, standards and regulations that control safety glazing materials and installation.
2. System Performance: Provide glass and glazing that has been produced, fabricated and installed to withstand normal thermal movement, wind loading and, where applicable, impact loading, without failure including loss or breakage of glass, failure of glazing sealants or gaskets to remain watertight and airtight, deterioration of glass and glazing materials and other defects in the work.
3. Installation: Performed only by experienced glaziers.

C. Warranty:
1. Insulating glass: Five years from date of installation against defects that materially obstruct vision through the glass or affect thermal and physical integrity.

2.1 Materials:

A. Glass:
1. Float Glass (FG): 1/4" thick clear float glass.
2. Tempered Glass (TG): 1/4" and 1/2" thick clear, tempered safety glass, free-of-tong marks.
3. Insulating Glass (IGL): 1" thick clear, low-e tempered sealed glass; 1/4" thick interior and exterior glass lites with 1/2" aluminum desiccated dual sealed air space; with the following characteristics:
   a. Low-emissivity coating on #2 surface.
   b. Visible Light Transmittance: 64% - 70%
   c. Visible Light Reflectance - Outdoors: 9%-11%
   d. Solar Energy Transmittance: 32%-34%
   e. Solar Energy Reflectance-Outdoors: 30%-34%
   f. U-Value - Winter Night: 0.29
   g. U-value - Summer days: 0.28
   h. Solar Heat gain Coefficient: 0.25-0.39
   i. Shading Coefficient: 0.43-0.45
   j. Manufacturers/Products:
      i. AGC/Comfort Ti-AC40, or similar to meet code
      ii. Sun Guard/SN-68, or similar to meet code
      iii. PPG/Solarban 60, or similar to meet code
      iv. Viracon/VE1-2M, or similar to meet code
4. Spandrel Glass (SG) 1/4" thick, Spandrel Ceramic Glass, (Color: GrayBlack or as noted on drawings) by Old Castle Building Envelope (419) 666-2000, Contact: Doug Dewar
5. Frosted Window Film, 3M Dusted Crystal Translucent Window Film. Apply on the interior side of glazing.

B. Glazing Materials:
1. Glazing Sealants: Provide elastomeric glazing sealants suitable for applications indicated; compatible with one another and with other materials they will contact, complying with ASTM C920.
2. Glazing Tape: Provide preformed, non-staining and non-migrating elastomeric tape, as recommended by tape and glass manufacturers for application indicated, complying with ASTM C 1281.
3. Glazing gaskets: Provide manufacturer's standard snap-on aluminum stops and neoprene, vinyl or EPDM glazing gaskets.
4. Provide setting blocks, spacers and edge blocks of material, size, and shape complying with referenced glazing standard, and compatible with surfaces contacted in installation.

C. Fabrication: Factory fabricate and size all glass.

3.1 Installation

A. Preparation:
1. Field verify measurements and conditions of installation.
2. Examine all details. Provide proper fitting to details indicated.
3. Glazing channel dimensions shown are intended to provide for necessary bite on glass, minimum edge clearance and adequate glazing materials thickness, with reasonable tolerances. Adjust as required by job conditions at time of installation.

B. Install glass and glazing in accordance with the GANA "Glazing Manual" and glass manufacturer's recommendations.
1. Install insulating glass units to comply with recommendations by Sealed Insulating Glass Manufacturers Association (SIGMA).

C. Install setting blocks of proper size at quarter points of sill rabbet. Provide spacers as required.

D. Install glazing sealants, tapes and gaskets in accordance with manufacturer's recommendations. Set glass without springing and install securely to prevent rattling or breakage.

E. Protect glass from breakage during remaining construction. Do not remove non-permanent labels until final acceptance.

DIVISION 9 -- FINISHES

SECTION 09260 - GYPSUM BOARD SYSTEMS

1.1 General: Provide gypsum board systems as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. GA 214-90 "Levels of Gypsum Board Finish."
2. GA-216 "Specifications for Application and Finishing of Gypsum Board."
3. USG "SA923 Drywall/Steel Framed Systems."

2.1 Materials:

A. Manufacturer: United States Gypsum Co. (USG), (800) 874-4968, internet www.usg.com.

B. Metal framing: Comply with ASTM C 754 and ASTM C 645 for materials and sizes.
1. Partition metal framing:
   a. Studs: Galvanized steel, C-shaped, sizes indicated, 20 gage "ST20"
   b. Runners: Match studs, type recommended by stud manufacturer for floor and ceiling support of studs. Provide flexible ceiling runners for full height metal stud framed partitions continuous from floor to underside of structural members or deck above.

C. Ceiling and Soffit metal framing/suspension systems:
1. Small areas: Metal stud framing of appropriate size and gage for spans indicated.
2. Large areas: Furring channel "Grillage" or "Direct Suspension System" designed for concealed support of gypsum board ceilings, of proper type for use indicated.
3. Furring members: 20 gage, galvanized steel screw type, hat-shaped furring.

D. Gypsum board panels: USG "Sheetrock" complying with ASTM C1396, tapered edge face panels, 48" wide, in maximum lengths available to minimize end joint conditions, 5/8" thick.
1. General use panels: Sheetrock Regular panels.
2. Fire rated panels: Sheetrock Firecode Core panels.
3. Water-resistant: panels: Sheetrock HUMITEK panels.

E. Cement board: USG DUROCK Cement Board, 5/8" thick x manufacturer's standard width, complying with ANSI A118.9, and in maximum lengths available to minimize end-to-end butt joints.

F. Fasteners: USG Type "S" bugle head screws for metal framing, USG Type "W" bugle head screws for wood framing, manufacturer's recommended length for panel thickness indicated.

G. Trim: Galvanized steel with knurled and perforated flanges. USG Dur-A-Bead corner bead, No. 200B casing bead metal trim, No. 093 Control Joint.

H. Joint treatment: USG Joint Treatment System, utilizing "Sheetrock Brand Joint Tape", and "Sheetrock Brand Setting-Type (DURABOND)" compound for tape bedding and topping.

I. Adhesives: USG "Sheetrock Brand Setting-Type (DURABOND) 210 or 90" compound for tape bedding and topping.

J. Acoustical sealant: USG Sheetrock Acoustical Sealant, water-base type, gunnable sealant for sealing sound-rated gypsum board systems.

K. Sound attenuation insulation: USG Thermafiber unfaced 3-1/2" thick, mineral fiber insulating batts/blankets; standard lengths and widths required to coordinate with spaces insulated.

3.1 Installation

A. Install metal wall and partition framing and ceiling suspension/ support systems in accordance with USG Bulletin SA 923 and complying with ASTM C754.
1. Ceiling suspension/ support systems: Metal furring system/direct suspension or steel stud framing system.
2. Wall and partition framing:
   a. Install steel studs per schedule or at spacing indicated with bottom and top runner tracks anchored to substrates. Provide flexible ceiling runner tracks at full height partitions.
   b. Terminate partition stud system 4" above ceilings, except where indicated to be extended to structural support or roof deck above. Brace tops of partition framing to structure or roof deck at maximum 4'-0" on center spacing.
   c. Frame openings more than 2'-0" wide with two 20 gage studs at each jamb.
   d. Coordinate the installation of supplementary blocking and nailers, provided under Section 06100 work, to support shelving, millwork, toilet accessories, and similar work that cannot be adequately supported by gypsum board alone.

B. Application and Finishing: Install and finish gypsum board to comply with ASTM C 840 and Gypsum Association GA 216 "Recommended Specifications for the Application and Finishing of Gypsum Board."
1. Screw fasten all gypsum board panels.
2. Metal Trim: Install metal corner beads at external corners of gypsum board work and metal trim wherever edge of gypsum board would be exposed. Use longest practical lengths.
3. Control Joints: Locate and install control joints in accordance with USG Bulletin SA923 "Good Design Practice" recommendations.

C. Acoustical Treatment:
1. Where sound-attenuation insulation is indicated, seal gypsum board construction at perimeters, control joints, junction boxes, openings and penetrations with a continuous bead of acoustical sealant including a bead at both faces of partitions.
2. Install sound attenuation insulation at scheduled partitions and ceilings. Install insulation in single layer of required thickness. Extend full thickness over entire area to be insulated. Cut and fit tight around obstructions. Fill all voids.
3. At openings and cutouts, fill open spaces between edges of gypsum board and fixtures, cabinets, ducts, and other flush or penetrating items, with continuous bead of acoustical sealant.
4. Seal sides and backs of electrical boxes to completely close up openings and joints with a bead of acoustical treatment.

D. Finishing:
1. Comply with manufacturer's instructions for mixing, handling, and application of materials. Apply treatment at joints both directions, at flanges of trim accessories, penetrations of gypsum board (electrical boxes, piping, and similar work), fastener heads, surface defects, and elsewhere as indicated. Apply in manner that will result in each of these items being concealed when applied decoration has been completed.
2. Apply joint tape at joints between gypsum boards, except where trim accessories are indicated.
3. Interior Exposed Gypsum Board Finish: Level 5 Finish.
   a. Locations: Typical for all walls and ceilings, unless otherwise indicated
   b. Finish interior gypsum board by applying the following joint compounds in four coats (not including prefill of openings in base), and sand between coats and after last coat:
   c. Embedding and First Coat: Setting-type joint or taping compound.
   d. Fill (Second) Coat: Setting-type topping compound.
   e. Fill (Third) Coat: Setting-type topping compound.
   f. Finish (Fourth) Coat: Skim coat entire surface.

4. Interior Concealed Gypsum Board: Level 3 Partial Finishing.
   a. Finish concealed gypsum board construction that requires finishing same as exposed gypsum board construction, except the third coat and sanding can be omitted.

E. Cement Board: Install cement board as a 16" high base at all kitchen and kitchen cook line wall types as indicated on drawings.

SECTION 092816 - GLASS-MAT FACED GYPSUM BACKING BOARDS

1.1 General: Provide Fiberglass-mat faced, moisture resistant gypsum backer board as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. ASTM C840 Standard Specification for Application and Finishing of Gypsum Board.
2. ASTM C1002 Standard Specification for Steel Self Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs
3. ASTM C1178 Standard Specification for Glass Mat Water-Resistant Gypsum Backing Panel
4. ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
5. ASTM D6329 Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers.
6. ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
7. Tile Council of North America, Inc. (TCNA): TCA Handbook for Ceramic Tile Installation, Current Edition.

2.1 Materials:

A. Manufacturer: Georgia-Pacific Gypsum LLC, (800) 225-6119, internet: www.buildgp.com

B. Fiberglass-Mat Faced Gypsum Backing Board: DensShield Fireguard Tile Backing Board complying with ASTM C1178, Type X, Square edges, 4' wide in maximum lengths available to minimize end joint conditions, 5/8" thick. Surfacing: Coated fiberglass mat on face, back and long edges.
1. General use panels: 5/8" DensShield Fireguard Tile Backer, Georgia-Pacific Gypsum.

C. Fasteners: Screws meeting ASTM C1002, with corrosion resistant treatment. Size and type per manufacturer's recommendations:
1. Walls (Steel Frame): Bungle head, fine thread, sharp point rust resistant drywall screw
2. Walls (Walls Frame): Bungle head, coarse thread, sharp point rust resistant screw

D. Metal Framing, Trim, joint treatment, adhesives, acoustical sealant, and sound attenuation insulation: Refer to Section 09260 Gypsum Board Systems

3.1 Installation

A. Install DenShield at all tile walls excluding hood area as indicated on drawings.

B. General: Install in accordance with ASTM C840, manufacturer's recommendations and TCA Handbook for Ceramic Tile Installation.
1. Manufacturers Recommendations: refer to Current "Product Catalog", Georgia Pacific Gypsum.
   a. Attach DensShield Tile Backer with grey side facing the interior. Tile should be applied on the grey coated side of DensShield Tile Backer. Cut panel to required size and make cutouts. Fit ends and edges closely. Do not leave gaps between panels.
   b. DensShield Tile Backer may be cut by using a utility knife to score, then snap, working from the grey face side.
   c. For walls, when used as a tile substrate a minimum 20-gauge steel or wood framing should be spaced no greater than 24" o.c. for 5/8" DensShield Tile Backer. Board can be applied horizontally or vertically.
   d. Fasteners shall be spaced 6" o.c. for walls for wood and steel framing. Do not countersink. Drive fasteners flush with grey coated surface. See manufacturer installation Fastener Guide for proper selection.
   e. In all corners, imbed with a bead of flexible sealant when installing panels into corner. Apply self-adhesive 2" wide fiberglass mesh tape and bed tape on all joints and corners with material used to set tiles.
   f. Caulk or seal fixture/plumbing penetrations and abutments to dissimilar materials.
   g. Do not use all purpose joint compound or tape in wet areas.
   h. Do not apply DensShield Tile Backer directly to concrete or masonry block. Framing or furring of the walls is necessary.
   i. DensShield Tile Backer should not be used for exterior installations.
   j. DensShield Tile Backer panels should not be used as a base for nailing and mechanical fastening.
   k. DensShield Tile Backer has a built in moisture barrier. Never install vapor retarders directly behind DensShield Tile Backer panels. In retrofit applications, some paints or other wall coverings may constitute a vapor barrier; remove or effectively penetrate these coverings prior to installing DensShield Tile Backer panels.

C. Refer to Section 09260 Gypsum Board Systems for additional installation and sound treatment instructions

SECTION 09330 - QUARRY TILE

1.1 General: Provide quarry tile flooring and base as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. ANSI A137.1 "Ceramic Tile."
2. TCA "Handbook for Ceramic Tile Installation."

2.1 Materials:

A. Manufacturers:
1. Quarry Tile: Daltile, (877) 556-5728, internet: http://daltile.com
   a. For ordering purposes, email all orders to chipotle@daltile.com
2. Waterproofing, Setting and Grouting Materials:
   a. Setting and Grouting Materials and Tile Base Membrane: Mapei
      i. For ordering purposes, email all orders to chipotle@daltile.com
      ii. For technical questions, contact Mapei, (800) 992-6273, internet: www.mapei.com

B. Quarry Tile: Daltile 6" x 6" x 1/2" Quarry Textures with 5" base as scheduled on finish plan and appropriate trim; Color: "Ashen Gray" 0T03
1. Entire Kitchen Area: Provide non-abrasive finish quarry tile.
2. Rest Rooms: Provide non-abrasive finish quarry tile.
3. Outside Corner Cove Base (Kitchen): #QC-(L or R)-3565 5" x 6"
4. Inside Corner Cove Base: #QB-3565 1" x 5"
5. Bullnose Coveless Base: #Q-1665, 6" x 6".
6. Bullnose Corner Coveless Base: #QCRL-1665, 6" x 6".

C. Waterproofing for elevated floor slabs: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane
D. Setting Adhesive: Mapei, Ultraflex 3, Color: Gray
E. Grout: Mapei, Keraporxy IEG CQ, Color: #9, "Gray", 1/4" grout joints.
F. Quarry Tile Base Membrane: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane

3.1 Installation

A. Preparation: Clean substrate surfaces, scheduled to receive quarry tile, thoroughly and remove all coatings that may impair bond.
1. Center tile fields both directions in each floor area. Adjust layout to minimize tile cutting. Avoid tile less than one-half size. Locate cuts to be least conspicuous.
2. Maintain units uniformly "in plane." Provide straight, uniform joint widths and grout lines.

B. Elevated Floor Slabs: Install waterproofing membrane at elevated floor slab surfaces scheduled to receive quarry tile floor finish. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.
1. Extend waterproofing up vertical wall surfaces minimum 10" high.
2. Extend membrane down into floor drain flanges to assure continuous waterproofing at drainage points.

C. Wet Areas: Install waterproofing membrane at all quarry tile wall base. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.
1. Extend waterproofing up all vertical wall surfaces receiving quarry tile base minimum 10" high. Extend waterproofing membrane 10" minimum horizontally from all vertical wall surfaces receiving quarry tile base.

D. Installation: Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
1. Floors: Latex-portland cement mortar on concrete; TCA detail F113 and ANSI A108.5, grout ANSI A108.10.
2. Base: Latex-portland cement mortar on cement board.

SECTION 09340 - CERAMIC TILE

1.1 General: Provide ceramic wall tile as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. ANSI A137.1 "Ceramic Tile."
2. TCA "Handbook for Ceramic Tile Installation."

2.1 Materials:

A. Manufacturers:
1. Ceramic Tile and Accent Tile: Daltile, P: (877) 556-5728, internet: http://daltile.com
   a. For ordering purposes, email all orders to chipotle@daltile.com

B. Ceramic Tile:
1. Kitchen Tile, or as noted in plans, Series - Finish Line Glazed Ceramic Tile:
   a. Color - White FL90, Semi-Gloss, Size - 4 x 16, Pattern - Stacked Bond
2. Accent Tile, Series - Color Wheel Glazed Ceramic
   a. Color - Chipotle Brick Metallic 1.0 #9999710686, Size - 3 x 12, Pattern - Stacked Bond
   b. Alternate Accent Tile only when approved by Arch PM and Chipotle DM
      i. Series - Remedy, Color - Alchemy RD25, Size - 2 x 9, Pattern - Stacked Bond
      ii. Series - Marrazzi, Color - Artesen AT25, Size - 2 x 4, Pattern - Brickjoint Mosaic

C. Setting Adhesive: Thinset Mortar, Mapei, Ultraflex LFT - Gray

D. Grout:
1. Kitchen Tile or as noted in plans
   a. Mapei, Series - Flexcolor CQ - Gray #09, 1/8" grout joints.
2. Accent Tile
   a. Mapei, Series - Flexcolor CQ - Chocolate #07, 1/8" grout joints.

3.1 Installation

A. Preparation: Clean substrate surfaces scheduled to receive ceramic tile thoroughly and remove all coatings that may impair bond.
1. Protect surrounding work from damage.
2. Remove any curing compounds or other contaminates.
3. Vacuum clean surfaces and damp clean.
4. Install cementitious backer board or glass-mat faced gypsum backing board as indicated in drawings in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.
5. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

B. Kitchen:
1. Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
2. Lay tile in horizontal stack bond, following detail drawings for layout considerations. Horizontal rows of tile shall be full-height courses, unless noted otherwise.
3. Arrange pattern so that a full tile or joint is centered on each wall horizontally and that no tile less than 1/2 width is used at the ends of the wall. Exception: when one end of the wall is a tile-to-gypsum board transition. Do not interrupt tile pattern through openings.
4. Use specified stainless steel corner guards at tile-to-tile and tile-to-FRP outside corners.
5. Use corner bead of 100% silicone sealant, color to match grout, at inside corners where tile meets tile.
6. Use corner bead of 100% silicone sealant, white, at inside corners where tile meets paint gyp. board, tile meets FRP or tile meets aluminum.
7. Cut and fit tile to penetrations through tile, leaving sealant joint space. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
8. Sound tile after setting. Replace hollow sounding units.
9. Keep expansion joints free of adhesive or grout. Allow tile to set for a minimum of 48 hours prior to grouting. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes. Refer to section 07900 Joint Sealers.
10. Clean tile and grout surfaces.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:

ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:

G015

SECTION 09510 - SUSPENDED CEILING SYSTEMS

1.1 General: Provide acoustical ceiling systems as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. CISCA "Acoustical Ceilings - Use and Practice."
2. ASTM C635.
3. ASTM C636.

B. Related Sections:
1. 09515 Cementitious Wood Fiber Acoustical Panels: Suspension system.

2.1 Materials:

A. Manufacturer:
1. USG Interiors, Inc., (800) 950-3839, www.usg.com
2. Pittcon Industries, (800) 637-7638, www.pittconindustries.com

B. Ceiling Panels: USG "Sheetrock Lay-In ClimaPlus No. 3270" ceiling panels with white, stipple texture, vinyl facing, 24" x 48" x 1/2".

C. Light Pocket: Pittcon "LP-700-800", White, Height of cove should be field verified by GC to end on a full tile height.
1. Light pocket can have up to 6 week lead time and should be ordered as soon as possible.
2. Light pocket endcap should only be installed when the end of the cove is not against a wall.

D. Suspension System: Provide intermediate duty, structural class, direct hung systems adequate to support light fixtures, ceiling diffusers and other normal accessories.
1. Exposed "Tee" Grid System for use with Lay-In Ceiling panels: USG "Donn DX System" non-fire rated with 15/16" exposed face, cold-rolled galvanized steel with aluminum face cap, white paint finish on exposed surfaces. Provide hemmed edge aluminum wall angles, 15/16" exposed leg, white paint finish matching exposed grid.
2. Concealed "Tee" Grid System for use with Painted Gypsum Board Ceilings & Soffits or with Cementitious Wood Fiber Acoustical Panels (Tectum): USG "DGLW" Heavy Duty Drywall Suspension System with 1 5/8" deep by 1 1/2" wide main tees and 1 1/2" deep by 1 1/2" wide cross tees.
3. Hanger Wire: No. 12 SWG galvanized steel wire.
4. Heavy Duty "Tee" Grid System for use with Felt Baffle Ceiling System: USG Donn Brand DX/DXL with 15/16" wide face tees, color: black

3.1 Installation

A. Install acoustical ceiling materials and suspension systems in strict accordance with manufacturer's recommendations, complying with governing regulations and industry standards applicable to the work.

B. Suspension system installation shall be laser leveled with a maximum surface leveling tolerance of 1/8" in 12'-0".

C. Install exposed Tee suspension systems with main tees nominally 12 ft long spaced 48 in O.C. and cross tees nominally 4 feet long spaced 24 in O.C.

D. Install concealed Tee suspension systems with main tees nominally 12 ft long spaced 24 inches O.C. and cross tees nominally 2 ft long spaced 48 in O.C.

E. Hanger wire shall be spaced 48" O.C. along main tees, at all four corners of light fixtures (where applicable), at midpoint of cross tees adjacent to light fixtures and duct outlets, and adjacent to main tee splices.

F. Secure wire hangers by looping and wire-tying either directly to building structure or to hangers that are secure and appropriate for substrate.

G. Provide edge trim molding at perimeter of acoustical ceiling installation and intermediate vertical surfaces. Use maximum lengths. Miter trim corners to Provide tight, accurate joints. Connect moldings securely to substrate surfaces.

SECTION 09653 - RUBBER WALL BASE

1.1 General: Provide resilient rubber wall base as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. ASTM D 2240 Rubber - 85 Shore A

2.1 Materials:

A. Manufacturer: Johnsonite, Inc., (800) 899-8916, internet: www.johnsonite.com
1. Basis-of-Design Product Rubber Wall Base:
a. Resilient Rubber:
1. .125" (3.17 mm) Thickness
2. "Black" color
3. Straight (toeless) or coved as specified on finish plan
4. Inside and outside corners with 4" returns.

B. Alternate Wall Base only when approved by Arch PM and Chipotle DM.
1. Vinyl Wall Base
a. .125" (3.17 mm) Thickness
b. "Black" color
c. Straight (toeless) or coved as specified on finish plan
d. Inside and outside corners with 4" returns.

C. Setting Adhesive:
1. For porous surface applications: Johnsonite 960 Acrylic Cove Base Adhesive.
2. For non-porous surface applications: Johnsonite 946 Contact Bond Adhesive or polymer based alternative.

3.1 Installation:

A. Preparation: Clean substrate surfaces scheduled to receive resilient rubber and vinyl wall base thoroughly and remove all coatings that may impair bond. A uniform temperature of at least 65 degrees Fahrenheit shall be maintained for 24 hours before, during and after the installation is completed. The wall base and adhesives shall be conditioned in the same manner. Coiled wall base shall be uncoiled and lay flat for at least 24 hours at 65 degrees Fahrenheit prior to installation. Floor and walls shall be clean, dry, and free of dust, all paints, wallpaper, and all other foreign material, which may affect proper adhesive bonding. Wall base may be installed on interior plaster, gypsum wall board, concrete, masonry, mineral-reinforced cement board or similar porous surfaces. Wall base shall not be installed on surfaces that will be exposed to drastic temperature changes or moisture.

B. Application: Use a 1/8" square notch trowel to apply adhesive. Allow adhesive to set up and then apply wall base in accordance with manufacturer's instructions.

SECTION 09770 - SPECIAL WALL SURFACING - PHENOLIC INTERIOR WALL PANELS

1.1 General: Provide Stonewood solid phenolic panels and accessories for interior walls and millwork as shown and specified.

1.2 Related Sections:

A. Section 05400 - Cold Formed Metal Framing

B. Section 06210 - Finish Carpentry and Millwork

C. Section 07900 - Joint Sealers

D. Section 09260 - Gypsum Board Systems

1.3 Standards: Materials and construction shall conform to the following:

A. ASTM D638 - 10 Standard Test Method for Tensile Properties of Plastics.

B. ASTM D790 - 10 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.

C. ASTM E84 - 12 Standard Test Method for Surface Burning Characteristics of Building Materials.

D. NEMA Standards Publication LD3-2005. High pressure decorative laminates.

1.4 Design/Performance Requirements:

A. Design and size of wall panel assemblies including wall panels, mounting system to support weight of panels.

B. Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on expected movement of material as defined in fabrication guidelines.

1.5 Quality Assurance:

A. Manufacturer's Qualifications:
1. Sufficient plant facilities to provide quality and quantity of materials as required without delaying progress of work.
2. Minimum of 40 years of experience in paper saturation of phenolic resin, and producing phenolic paper laminate.

B. Fabricator:
1. Fabricated by the manufacturer, and/or;
2. Contracted by the customer, minimum 5 years' experience in fabrication work for the size and complexity of the projects.

C. Installer
1. Proven professional installer with a minimum of 5 years of documented experience.
2. Approved by the manufacturer.

1.6 Delivery, Storage and Handling:

A. Refer to Section 01400 Quality Requirements.

B. Delivery: Deliver materials in manufacturer's original unopened containers/packages, with labels clearly identifying product name, manufacturer, color/texture and weight.

C. Storage:
1. Keep panels dry and stored indoors in original packaging until installation.
2. Store Stonewood panels on a smooth, dry, flat surface, making sure there are no bends or bowing in the load.
3. Do not store directly on cold concrete floors as moisture may migrate.
4. Do not store under heating units or air conditioning units.
5. Keep load stored within outer wrap until use. Remove pallet straps once load is moved to storage area.
6. Reseal plastic wrap if partial load is used.
7. Keep foam dividers in place.

D. Handling:
1. Handle materials in accordance with manufacturer's instructions.
2. Protect materials during handling to prevent damage.
3. When moving sheets, lift evenly to avoid dragging panels across each other and scratching the surface. PLEASE TAKE CARE NOT TO SCRATCH THE SURFACE OF THE PANEL DURING HANDLING, MACHINING AND INSTALLATION.

1.7 Warranty:

A. Limited Warranty: Fibbers warrants Stonewood for a period of 10 years. Refer to www.stonewoodpanels.com for details.

1.8 Project Conditions:

A. Environmental Limitations: Buildings are to be fully enclosed prior to installation with sufficient heat (70 degrees) and ventilation consistent with good working conditions for finish work.

B. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

C. Field Measurements: Verify locations of structural members and wall opening dimensions by field measurements before composite wall panel fabrication and indicate field measurements on Shop Drawings.

2.1 Manufacturer:

A. Fiberesin Industries, Inc. PO Box 808, Oconomowoc, WI 53066. Phone: (262) 567-4427, Fax: (262) 567-4814, Web Site: www.stonewoodpanels.com Email: info@fiberesin.com

B. Made in the United States from materials sourced in the USA.

2.2 Application:

A. Apply Solid Phenolic Laminate Wall Panels at walls and other surfaces as indicated on the Drawings. Phenolic Wall Panels are architectural wall panels applied over a sheathed stud wall or other solid blocking per Drawings.

2.3 Interior Stonewood:

A. Material: Solid phenolic laminate panel w/o overlay.
B. Color: Black ND
C. Finish: Matte
D. Standard Size: 48"x96", fabricator to trim height to 47"
E. Panel Thickness: 5/16", 1/2"
F. Panel Core: HR Black

2.4 Minimum Material Properties

A. NEMA Requirements:

Description	NEMA Requirements	
Dimensional Change:	3.11	
Length (Machine Direction)	0.3% Maximum	0.25%
Width (Cross Direction)	0.7% Maximum	0.50%
Density (PCF)	82	

B. Mechanical Properties:

Property	NEMA Requirements	
Flexural Strength ASTM D-790		
MD (psi)	18,000	20,000
CD (psi)	12,000	16,000
Flexural Modulus ASTM D-790		
MD (psi)	1.6x10^6	2.0 x10^6
CD (psi)	1.4x10^6	1.5x10^6
Tensile Modulus ASTM D-638		
MD (psi)	18,000	18,000
CD (psi)	12,000	13,000

C. Fire Resistance:

	Class A (0.250")	Class B (0.250")
Flame Spread Index - ASTM E-84 (BLDG):	5	30
Smoke Developed Values - ASTM E-84 (BLDG):	5	105
Fire Rating (Standard Product is Class B):	A	B

D. Manufacturing Tolerance:

Thickness (.156 to .375)	+/- .020
Thickness (above .375 to 1.000)	+/- .030
CNC Shaped Size (Length - Width)	+/- .020
Drill Diameter	+/- .003
Drill Depth	+/- .020
CNC Hole to Hole	+/- .020
CNC Hole to Edge (1 Oper)	+/- .020
CNC Hole to Edge (2 Oper)	+/- .030
Routing - (Slots Width and Length)	+/- .015
Routing - (Slots Depth)	+/- .020

2.5 Accessories (Fasteners):

A. Panel Fasteners: #10 x 1-1/4" flat Phillips head black oxide wood screws to be used with wood blocking and #10 x 1-1/4" flat Phhillips head black oxide sheet metal screws to be used with sheet metal blocking as recommended by the manufacturer.
B. Provide exposed fasteners with heads matching color of composite wall panels by means of factory-applied coating.
C. Fasteners shall by designed to withstand effects of dead load and accommodate hydrothermal expansion/contraction of panel.
D. Wall Panel Accessories: Provide components required for a complete composite wall panel assembly including trim, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of composite wall panels unless otherwise indicated.

3.1 Manufacturer's Execution Instructions:

A. Compliance: Comply with manufacturer's/fabricator's/supplier's product data, handling and installation instruction/manual, shop drawings, shipping container/package ticket identification, etc.

3.2 Examination:

A. Verify correct panels received including dimension, tolerance, color/texture.
B. Verify correct attachment system received for the specific project/job.
C. Verify all the documents including shop drawing and installation guidelines.
D. Verify installation conditions are satisfactory to receive work of this section before the commencement
E. Verify substrate installation is complete, flat, and true to plane.
F. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.3 Preparation:

A. Field Measurements: Verify prior to fabrication and installation of the cladding panel.
B. Protect surrounding areas and surfaces to preclude damage during work of this section.
C. Lay out work before beginning installation as necessary for true, plumb and aligned panel installations.
D. Verify locations of joints and panel lengths.

3.4 Installation:

A. Conform to manufacturer's instructions and provisions of shop drawings.
B. Install to allow hydro-thermal expansion/contraction.
C. Use appropriate techniques/tools to work with the panel.
D. Do not force to fit, do not bend, stretch/compress.
E. Make cutting and fitting neat, square, and true. Where required cut, de-burr edges, and clean filings from adjacent surfaces.
F. Do not install damaged or questionable panels.
G. Install solid phenolic wall panels plumb and level and accurately spaced.
H. Anchor panels and other components of the work securely in place, with provisions for thermal and structural movement.
I. Shim or otherwise plumb substrates receiving composite wall panels.
J. Do not use construction adhesives to apply wall panels directly to substrates or wall board. Use mechanical fasteners only.

3.5 Erection Tolerances:

A. Shim and align composite wall panel units within installed tolerance of 1/4 inch in 20 feet, non-accumulative, on level, plumb, and location lines as indicated and within 1/8 inch offset of adjoining faces and of alignment of matching profiles.

3.6 Field Quality Control:

A. Manufacturer's Field Service: Provide field services to ensure product installation is in accordance with manufacturer's/fabricator's /supplier's instructions and installation manual, shop drawings etc.

3.7 Adjusting:

A. Correct identified defects and irregularities.
B. Replace damaged soiled, and discolored work.

3.8 Cleaning:

A. Leave installation clean and free from residue and debris from work of this Section.
B. Panels best cleaned with warm soapy water and rinsed with clear water; allowed to dry fully.

SECTION 09900 - PAINTS AND COATINGS

1.1 General: Provide paints and coatings as shown and specified.

A. Provide surface preparation, prime, intermediate and finish coatings for interior and exterior and existing scheduled surfaces and items.

B. Provide Tenant-selected finishes and colors for all exposed surfaces, unless otherwise indicated.

1.2 Related Documents:

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.

1.3 Summary:

A. This section includes surface preparation and field painting of the following:
1. Exposed exterior items and surfaces.
2. Exposed interior items and surfaces.
3. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.

1.4 Quality Assurance:

A. Applicator Qualifications: Engage an experienced applicator that has completed painting system applications similar in material and extent to that indicated for this Project with a record of successful in-service performance.

B. Source Limitations: Obtain block fillers, primers and undercoat materials for each coating system from the same manufacturer as the finish coats.

C. Provide lead free prime and finish coatings. All top coatings shall be mold and mildew resistant.

1.5 Delivery, Storage and Handling:

A. Deliver materials to the Project Site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label, and the following information:
1. Product name or tile of material.
2. Product description (generic classification or binder type).
3. Manufacturer's stock number and date of manufacture.
4. Contents by volume, for pigment and vehicle constituents.
5. Thinning instructions.
6. Application instructions.
7. Color name and number.
8. VOC content

B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 degrees F (7 degrees C). Maintain containers used in storage in a clean condition, free of foreign materials and residue.
1. Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing and application.

1.6 Project Conditions

A. Apply water-based paints only when the temperatures of surfaces to be painted and surrounding air temperatures are between 50 and 90 degrees F (10 and 32 degrees C) unless otherwise stated on the technical data bulletin.

B. Apply solvent-thinned paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 45 and 95 degrees F (7.2 and 35 degrees C).

C. Do not apply paint in snow, rain, fog, or mist, or when the relative humidity exceeds 85 percent, or at temperatures less than 5 degrees F (3 degrees C) above the dew point, or to damp or wet surfaces.
1. Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by manufacturer during application and drying periods.

2.1 Manufacturers:

A. Products: Subject to compliance with requirements, provide one of the products in the paint schedules.

B. Manufacturers Names: The following manufacturer is referred to in the paint schedule by use of shortened versions of the name, which is shown below:
1. PPG Industries, Inc.
2. Materials - No substitutions allowed.

2.2 Paint Materials, General

A. Material Compatibility: Provide block fillers, primers, undercoats, and finish-coat materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

B. Material Quality: Provide manufacturer's best-quality "professional" paint material of the various coating types specified. Paint-material containers not displaying manufacturer's product identification will not be acceptable.

Colors: Color guided selected by owner and will be strictly adhered too, unless otherwise noted.

C. Exterior Coatings:

Exterior Ferrous Metals:

Preparation: Remove all visible oil, grease, soil, rust and all other soluble contaminates from steel surface. Uniformly roughen surface with 150-grit paper. Remove all dust before solvent cleaning by the use of stiff bristle brush.
Prime: (1) coat PPG; 4020PF Series Pitt-Tech Plus Int/Ext DTM Acrylic Industrial Primer (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.
Finish: (2) coats PPG; 4216 Plus HP Series Pitt-Tech Plus Semi-Gloss DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.
Application: Conventional or HVLP (high volume low pressure)

Exterior and Interior Gas Piping:

Preparation: Remove all visible oil, grease, soil, rust and all other soluble contaminates from pipe surface. Remove all dust before solvent cleaning by the use of stiff bristle brush.
Prime: (1) Coat PPG; 4020PF Series Pitt-Tech Plus Int/Ext DTM Acrylic Industrial Primer (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.
Finish: (2) Coats PPG; 4216 Plus HP Series Pitt-Tech Plus Semi-Gloss DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils
Application: Conventional or HVLP (high volume low pressure)

Exterior Patio Railing:

Preparation: Remove all visible oil, grease, soil, loose paint, rust and all other soluble contaminates from steel surface. Remove all dust before solvent cleaning SSPC-SP1 by the use of stiff bristle brush. SSPC-SP3 may be required as a more aggressive preparation to remove loose mill scale, loose rust, loose paint and other loose detrimental foreign matter from the surface. Performance is better with more aggressive preparation.
Prime: (1) coat PPG; 95-3300 Durathane DTM Urethane Mastic (250 g/L VOC): Applied at a dry film thickness of not less than 3.0 to 5.0 mils.
Finish: (1) coat PPG; 95-3300 Durathane DTM Urethane Mastic (250 g/L VOC): Applied at a dry film thickness of not less than 3.0 to 5.0 mils.
Application: Conventional or HVLP (high volume low pressure) be done with conventional spray or airless equipment or brush or roller.

Exterior Prefinished Metal Wall Panels:

Preparation: Before applying primer or other surface treatments, clean galvanized metal surface to SSPC-SP1 that could impair bond of the various coatings. Remove oil, grease and soap film before priming use of Krud Kutter Metal Clean & Etch may be required on bare or new galvanized. Surface must be clean, dry and free of contaminants, including salt deposits. Additional prep may be needed to SSPC-SP2. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

Note: Some selected areas of bare concrete surfaces will require (1) coat of Perma Crete 4-603XI Alkali Resistant Concrete Primer before steel installation over all concrete surfaces.

Owner Option 1:
Prime: (1) coat XIM Primer Bond - Applied at a dry film thickness of not less than 1.5 to 2.0 mils.
Finish: (2) coats PPG; 90-1110 Series Pitt-Tech Satin DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Owner Option 2:
Prime: (1) coat PPG; 97-245 Pitt-Guard DTR Epoxy Mastic Primer (263 g/L VOC): Applied at a dry film thickness of not less than 4.0 to 7.0 mils.
Finish: (2) coats PPG; 95-3300 Durathane Urethane Mastic (240 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Owner Option 3 (Low VOC):
Prime: (1) coat PPG; Amerlock 2 Fast Dry VOC Compliant Epoxy (84 g/L VOC): Applied at a dry film thickness of not less than 4.0 to 6.0 mils.
Finish: (2) coats PPG; Amershield VOC Aliphatic Urethane (84 g/L VOC): Applied at a dry film thickness of not less than 5.0 to 8.0 mils.

Application: Conventional or HVLP (high volume low pressure) be done with conventional spray or airless equipment or brush or roller.

Exterior Galvanized Metal:

Preparation: Before applying primer or other surface treatments, clean galvanized metal surface to SSPC-SP1 that could impair bond of the various coatings. Remove oil, grease and soap film before priming use of Krud Kutter Metal Clean & Etch may be required on bare or new galvanized. Surface must be clean, dry and free of contaminants, including salt deposits. Additional prep may be needed to SSPC-SP2. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

Note: Some selected areas of bare concrete surfaces will require (1) coat of Perma Crete 4-503 Concrete Primer before steel installation over all concrete surfaces.

Owner Option 1:
Prime: (1) coat PPG; 6-209 SpeedHide Galvanized Metal Primer (400 g/L VOC): Applied at a dry film thickness of not less than 3.0 to 5.0 mils.
Finish: (2) coats PPG; 4216 Plus HP Series Pitt-Tech Plus Semi-Gloss DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Owner Option 2:
Prime: (1) coat PPG; 97-245 Pitt-Guard DTR Epoxy Mastic Primer (263 g/L VOC): Applied at a dry film thickness of not less than 4.0 to 7.0 mils.
Finish: (2) coats PPG; 95-3300 Durathane Urethane Mastic (240 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Owner Option 3 (Low VOC):
Prime: (1) coat PPG; Amerlock 2 Fast Dry VOC Compliant Epoxy (84 g/L VOC): Applied at a dry film thickness of not less than 4.0 to 6.0 mils.
Finish: (2) coats PPG; Amershield VOC Aliphatic Urethane (84 g/L VOC): Applied at a dry film thickness of not less than 5.0 to 8.0 mils.

Application: Conventional or HVLP (high volume low pressure) be done with conventional spray or airless equipment or brush or roller.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:

ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:

G016

Exterior CMU Primer:

CMU Preparation: Mortar should cure for at least 30 days and preferably 90 days prior to priming. Fill block with an appropriate block filler. Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. Check adhesion by applying a piece of masking tape. If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal and re-check adhesion.

Field Preparation: Surfaces to be coated must be dry, clean, sound, and free from all contamination including loose and peeling paint, dirt, grease, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, and dust. Remove loose paint, chalk, and efflorescence by wire brushing, scraping, sanding, and/or pressure washing. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Feather back all rough edges to sound surface by sanding.

Prime: (2) Coats PPG; Speedhide Interior/Exterior Masonry Hi Fill Latex Block Filler

Application: Brush, Roll or Spray

Exterior Stucco/EIFS Surfaces (including wet areas):

Preparation: Remove all visible oil, grease, soil and all other foreign substances with cleaning solutions and/or scrapers. Allow to dry and sand all areas that need smoothing and dust off.
Prime: (1) coat PPG; 4-603 Perma-Crete Alkali Resistant Primer (100 g/L VOC): Applied at a dry film thickness of not less than 1.2 to 1.9 mils.
Finish: (2) coats PPG; 4-22 Perma-Crete Hi-Build Acrylic (100 g/L VOC): Applied at a dry film thickness of not less than 3.2 to 5.8 mils.
Application: Airless spray with back roll using 3/4" nap roller.

Exterior Wood:

Preparation: Remove all visible oil, grease, soil and all other foreign substances with cleaning solutions and or scrapers. Allow to dry and sand all areas that need smoothing and dust off.
Prime: (1) coat PPG; 17-921 Seal Grip Primer Sealer (100 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.
Finish: (2) coats PPG; 70-501 Manor Hall Exterior Semi-Gloss or PPG Acri-Shield Semi-Gloss PP649 (50 g/L VOC): Applied at a dry film thickness of not less than 1.5 to 3.0 mils.
Application: Brush, Roll or Spray

D. Interior Coatings:

Interior Metals: (Doors, door frames, where indicated)
Preparation: Remove all visible rust, oil, grease, soil and all other foreign substances with cleaning solutions and/or scrapers. Allow to dry and sand all areas that need smoothing and dust off.
Prime: (1) coat PPG; 4020PF Series Pitt-Tech Plus Int/Ext DTM Acrylic Industrial Primer (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils. (Repaints only require spot prime on bare metal surfaces.)
Finish: (2) coats PPG; V-50-410 Breakthrough Semi-gloss Sheen Acrylic (250 g/L VOC): Applied at a dry film thickness of not less than 1.4 to 2.0 mils.
Application: Conventional spray, HVLP or Airless spray. Touch-ups shall be done with conventional spray or airless equipment or brush or roller.

Interior Metals: (Metal Deck if indicated on Finish Plan)
Preparation: Remove all visible rust, oil, grease, soil and all other foreign substances with cleaning solutions and allow to dry before priming.
Prime: (1) coat PPG; 4020PF Series Pitt-Tech Plus Int/Ext DTM Acrylic Industrial Primer (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils. (Primer only required on unpainted decking or to spot prime bare areas in decking.)
Finish: (2) coats PPG; 90-1110 Pitt-Tech Plus Satin Acrylic (100 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.
Application: Conventional spray, HVLP or Airless spray. Touch-ups shall be done with conventional spray or airless equipment or brush or roller.

Interior Gyp. Bd.:
Preparation: Remove all visible oil, grease, soil and all other foreign substances with cleaning solutions. Fill hairline cracks, holes and other defects with filler compatible with finish coats. Sand smooth all areas filled and/or areas to make a smooth overall finish.
Prime: (1) coat PPG; 9-900 Pure Performance Acrylic Primer (0 g/L VOC): Applied at a dry film thickness of not less than 1.4 to 2.0 mils. (Spot prime required only on repaint projects.)
Finish: (2) coats PPG; Pure Performance Zero VOC Eggshell 9-500 Series, sheen as shown on finish plan: Applied at a dry film thickness of not less than 1.5 to 2.0 mils.
Application: Conventional spray, HVLP or Airless spray. Touch-ups shall be done with conventional spray or airless equipment or brush or roller.

Interior Wood Trim and Plywood - Clear Polyurethane Finish:
(Plywood finishes shall be shop applied in a controlled environment)

Shop Preparation: Scuff sand between coats.

Shop Finish: (2) coat, ML Campbell Krystal conversion varnish, Clear Dull Sheen
Application: Spray

Field Preparation: All cuts in field are to be sanded smooth. Scuff sand between coats.

Field Finish: (2) coat, ML Campbell High Performance Pre-Cat Lacquer, Clear Dull Sheen
Application: Wipe on with t-shirt rag.

Exterior Traffic Safety Marking.:
Preparation: All surfaces must be clean, dry and free from oil, grease, antifreeze, loose sand, aggregate and chipping/peeling existing striping. Any curing compounds used on new concrete must be mechanically abraded off prior to striping. When striping on freshly sealed surfaces use caution as some sealers can affect the curing and adhesion of traffic paint. When in doubt, always test adhesion.

For complete drying and minimum dirt retention when striping parking lots, the lots should be closed to traffic for two hours minimum after painting. New asphalt and concrete should be allowed to cure for a minimum of 14 days to maximize adhesion and durability.
Owner Option 1:
Finish: (1) coat PPG; A-2886B Type II, White Zone Marking - Applied at a dry film thickness of not less than 8.6 mils.

Owner Option 2:
Finish: (1) coat PPG; A-2886B Type II, Yellow Zone Marking - Applied at a dry film thickness of not less than 8.6 mils

Application: Applying a test strip to determine dry to no- pickup time when the humidity is higher than 65%. Cone whenever necessary.
• Do not heat paint in striping system above 60 C.
• Do not apply when temperatures are below 3 C.
• Do not apply when rain is forecast.
• Do not apply when temperatures are near or below the dew point or rain is forecast within 1 hour.
• Do not thin more than 5% with acetone and then use immediately.
• Do not apply if temperature is expected to fall below freezing for 6 hours after application of paint.
Application Equipment: Apply with a high quality brush, roller, or by airless spray equipment.

Airless Spray: Pressure 2000 psi, tip 0.015" - 0.021"Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coating s into the skin by airless equipment may cause serious injury.
Brush: Polyester/Nylon Brush
Roller: All-purpose nap roller cover.

E. Color Guide: Refer to Finish Plan and drawings for exact location of all colors.

WHERE	WHAT	COLOR	SHEEN	FINISH TAG
Exterior Traffic Safety Marking	PPG A-2886B Type II, Low VOC Acrylic Fast Dry Solvent	PPG White Zone Marking	Satin	N/A
Exterior Traffic Safety Marking	PPG A-2886B Type II, Low VOC Acrylic Fast Dry Solvent	PPG Yellow Zone Marking	Satin	N/A
Exterior Galvanized Metal Flashing and Prefinished Metal Wall Panels	PPG Pitt-Tech Plus Satin Acrylic Finish 90-1110 Series	PPG 1001-6 "Knight's Armor"	Satin	N/A
Exterior (Roof Mounted) Gas Piping	PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 4216 Plus HP Series	Yellow	Semi-Gloss	N/A
Exterior and Interior Gas Piping, Where Exposed	PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 4216 Plus HP Series	Match surrounding finishes/verify with architect	Semi-Gloss	N/A
Exterior CMU Primer	PPG Speedhide Interior/Exterior Masonry Hi Fill Latex Block Filler	White	Flat	N/A
Exterior CMU	PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 4216 Plus HP Series	PPG 1001-6 "Knight's Armor"	Semi-Gloss	N/A
Exterior Ferrous Metals	PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 4216 Plus HP Series	PPG 1001-6 "Knight's Armor"	Semi-Gloss	N/A
Exterior Wood	PPG Manor Hall Acrylic Semi-Gloss 70-501 Series or PPG Acri-Shield Acrylic Semi-Gloss PP649 Series	PPG 1001-6 "Knight's Armor"	Semi-Gloss	N/A
Exterior Stucco and EIFS Patio and Wet Areas	PPG Perma-Crete High Build Acrylic Topcoat 4-22 Series	PPG 1001-6 "Knight's Armor"	Flat	N/A
Exterior Stucco and EIFS Patio and Wet Areas	PPG Perma-Crete High Build Acrylic Topcoat 4-22 Series	PPG 1010-2 "Fog"	Flat	N/A
Exterior Stucco and EIFS Patio and Wet Areas	PPG Perma-Crete High Build Acrylic Topcoat 4-22 Series	PPG 1058-7 "Autumn Ridge"	Flat	N/A
Interior Doors, Door Frames, Rails and Rail Frames, Where Specified	PPG Breakthrough 50 Acrylic Satin	PPG V52-90 Black	Satin	D1
Interior Ferrous Metals, Where Specified	PPG Breakthrough 250 Acrylic Eggshell V50-410 Series	PPG 1013-5 "Victorian Pewter"	Eggshell	N/A
Dining Room and Hallway Gyp. Bd.	PPG Pure Performance Zero VOC Semi-Gloss 9-500 as indicated on finish plan	PPG 1001-3 "Thin Ice"	Semi-Gloss	P4
Dining Room and Hallway Gyp. Bd.	PPG Pure Performance Zero VOC Eggshell 9-310 as indicated on finish plan	PPG 1001-3 "Thin Ice"	Eggshell	P3
Dining Room and Hallway Gyp. Bd. Ceiling	PPG Pure Performance Zero VOC Flat 9-100 Series or PPG Speedhide 6-4110XI Flat	PPG 1041-1 "Moonlit Snow"	Flat	C3
Restroom, Cooking, Kitchen and Serving Area Soffit Gyp. Bd.	PPG Pure Performance Zero VOC Eggshell 9-500 Series	PPG 1041-1 "Moonlit Snow"	Eggshell	C3
Interior Metal Roof Deck and Metal Columns	PPG Pitt-Tech Plus Satin Acrylic Finish 90-1110 Series	PPG 1013-5 "Victorian Pewter"	Satin	C1
Patio Railing	Durethane DTM Urethane 95-3300 Series	PPG 1001-6 "Knight's Armor"	Gloss	N/A

3.1 Installation:

A. Examination:
1. Verify that site environmental conditions are appropriate for application of coatings specified.
2. Immediately prior to coating application, ensure that surfaces to receive coatings are dry.
3. Ensure that moisture-retaining substrates to receive coatings have moisture content within tolerances allowed by coating manufacturer, using moisture measurement techniques recommended by coating manufacturer.
4. Immediately prior to coating application, examine surfaces to receive coatings for surface imperfections and for contaminants which could impair performance or appearance of coatings, including but not limited to, loose primer, rust, scale, oil, grease, mildew, algae, or fungus, stains or marks, cracks, indentations, or abrasions.
5. Correct the above conditions and any other conditions which could impair performance or appearance of coatings in accordance with specified surface preparation procedures before proceeding with coating application.

B. Preparation:
1. Do not start work until surfaces to be finished are in proper condition to produce finished surfaces of uniform, satisfactory appearance.
2. Stains and Marks: Remove completely, if possible, using materials and methods recommended by coating manufacturer; seal with shellac or other coating acceptable to paint manufacturer stains and marks that might bleed through paint finishes which cannot be completely removed.
3. Remove or protect hardware, electrical plates, mechanical grilles and louvers, lighting fixture trim, and other items not indicated to receive coatings which are adjacent to surfaces to receive coatings.
4. Remove mildew from impervious surfaces by scrubbing with solution of disodium phosphate and bleach. Rinse with clean water and allow substrate to thoroughly dry.
5. For specific substrate preparation, see individual specifications.
6. Provide necessary staging, ladders, shield, protective coverings and drop cloths. Protect floors, walls and adjacent work and materials. Remove and properly replace temporary protection and coverings removed from any part of the work or finish. Repair damage at Contractor's expense.

C. Application:
1. General: Mix, prepare and apply paint according to manufacturer's written instructions.
   a. Use applicators and techniques best suited for substrate and type of material being applied.
   b. Do not apply high-performance coatings over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to forming a durable coating film.
   c. Coating surface treatments, and finishes are indicated in the coating system descriptions.
   d. Provide finish coats compatible with primers used.
   e. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, grilles, covers for finned-tube radiation, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrity and provide desired protection.
2. Application Procedures: Apply coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.
   a. The number of coats and film thickness required is the same regardless of application method.
   b. Completed Work: Match approved Samples for color, texture, and coverage. Remove, refinish, or recoat work that does not comply with specified requirements as directed by Tenant. Paints and coatings work is subject to acceptance by the Tenant.
   c. Keep brushes and rollers clean, free from contamination and suitable for the finish required.
   d. Unless otherwise indicated, allow exterior paints to dry for 48 hours and interior paints to dry for 24 hours between coats.
   e. Sand lightly and remove dust between coats to achieve required finish.
   f. Finished surfaces shall be uniform in finish and color and free of brush marks, sagging, holidays, corduroy and other imperfections. Coverage and hide shall be complete.
   g. Edges of paint or finish adjoining other materials or colors shall be sharp and clean without overlapping. Cut paint in neatly around glass or other edges.
   h. Paints and coatings work is subject to acceptance by the Tenant. Correct unsatisfactory work not complying with these specifications as directed by the Tenant.

D. Cleaning:
1. After completing painting, clean glass and paint spattered surfaces. Remove spattered paint by washing and scraping without scratching or damaging adjacent finished surfaces.

E. Protection:
1. Protect work of other trades, whether being painted or not, against damage from painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved by Architect / Tenant.

2. Provide "Wet Paint" signs to protect newly painted finishes. After completing painting operations, remove temporary protective wrappings provided by others to protect their work.

3. After work of other trades is complete, touch up and restore damaged or defaced painted surfaces.

F. Maintenance: Furnish extra paint materials from the same production run as the materials applied in the quantities described below. Package paint materials in unopened, factory-sealed containers for storage and identify with labels describing contents. Deliver extra materials to the Tenant.
1. Provide one gallon of paint and wood stain of each type and color required for maintenance purposes. Provide original, unopened, labeled containers with color samples and a list of project use.

DIVISION 10 - SPECIALTIES

SECTION 10522 - PORTABLE FIRE EXTINGUISHES

1.1 General: Provide portable fire extinguishers as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. NFPA 10 "Standard for Portable Fire Extinguishers.

2.1 Materials:

A. Provide minimum 10 lb. capacity fire extinguishers in quantity and type complying with local code and fire regulations requirements.
1. Provide new fire extinguishers fully loaded, tested, UL and FM labeled and listed and ready for use.
2. Provide manufacturer's recommended mounting brackets and hardware.

3.1 Installation:

A. Install fire extinguishers in accordance with manufacturer's installation instructions, at heights and locations acceptable to the local fire regulations enforcement authority

SECTION 10700 - EXTRUDED ALUMINUM CANOPY

1.1 General: Provide canopies as shown and specified.

A. Standards: Materials and installation shall conform to the following:
1. AWS, D1.1 - Structural Welding Code - Steel
2. AMMA, Aluminum Finishes AAMA 2604 (FGIA 2604) - Powder Coat

B. Quality Assurance
1. Shop Drawings: To be created under the guidance of a professional engineer. Site Specific stamped drawing may be required by the manufacturer based on location. Drawings must indicate size, material and finish. Include plan, elevations and sections to clearly outline the canopy locations. Include installation procedures, details of joints, attachments and clearances.
   a. Submit within 15 days after contract award.
2. Color charts showing manufacturer's full range of colors from standard line including Chipotle's custom "charcoal" color match to prototypical window mullion system.

2.1 Manufacturers:

A. Architectural Fabrication, Inc. – Manufacturer is located at 2100 E. Richmond Avenue, Fort Worth, TX 76104. P: (800) 962-8027. E: chipotle@arch-fab.com, W: www.arch-fab.com
B. Substitutions are acceptable assuming they comply with this specification, are submitted based on Quality Assurance and Division1 - Section 01100 requirements and have minimum 10 years experience, and only when approved by Arch PM and Chipotle DM.
1. Awnex, Contact: Katie Dicks, P: 770-704-7140 x151, E: katie@awnexinc.com
2. Uni-Structures, Contact: Dana Fredericks, P: 678-974-1773
3. API, Contact: Jade Moore-Esposito, P: 813-925-0144, E: jesposito@americanproducts.com

2.2 Materials:

A. Specifications are based on Architectural Fabrication, Inc. - Helios Canopy Patent #9,976,310
1. Framing: Gutter fascia, tube, angles: 6063-T6 alloy extruded aluminum. Gutter to be notched in the back to allow steel support arms to pass through.
2. Decking: Extruded aluminum 8" wide deck pan in 6063-T6 or 6063-T5 alloy (Roll form is not acceptable)
3. Steel Support Arms: 3" x 3" x .250" Steel tube support arms w/ 8" w x 5"h x 1/2" thick steel plate welded to the back. Must manufacture steel arm in manner to leave room for LED enclosure at back of canopy.
4. Hardware and Fasteners: Nuts, bolts, washers, clevis pins, screws, anchors and pipe spacers to be zinc plated or galvanized steel required to suit application and per pre-engineered canopy load requirements. Typical wall anchors are minimum ½" diameter. Touch up paint must be provided for each canopy to allow for potential repairs in the field.
5. Flashing: Shall be minimum 0.040-inch aluminum, fabricated to prevent leakage and sealed with Novaflex metal roof sealant in custom color match. Another equivalent sealant is acceptable.
6. LED Enclosure: Each canopy is to have a preformed aluminum LED enclosure along the back edge of the canopy finished in the same powder coat as the canopy. 1" nominal inside width, and a minimum aluminum sheet thickness of .063".
7. Scuppers: Drainage for canopy is (2) aluminum scuppers located at the front of the canopy per drawings. See finish below for details.
8. Finish: All aluminum shall be powder coat finish per FGIA 2604 (aka AAMA 2604). Steel shall be commercially blasted, then coated with a zinc rich primer, and finally the top coat of super polyester powder (2604 compliant) applied.

3.1 Installation:

1. Install canopies per manufacturer's written instructions and videos, and as indicated on architectural drawings
2. Locate and place canopies level, plumb and at indicated alignment with adjacent work.
3. Use concealed anchors where possible.
4. Repair damaged finishes so no evidence remains of corrective work. Return items to the factory that cannot be refinished in the field. Make required alterations and refinish entire unit or provide new units.
5. Protect galvanized and nonferrous-metal surfaces from corrosion or galvanic action by applying a coating of bituminous paint or elastomeric coating on surfaces that will be in contact with concrete, masonry or dissimilar metals.

DIVISION 11- NOT APPLICABLE

DIVISION 12- FURNISHINGS

SECTION 12495 - WINDOW SHADES

1.1 General: Provide window shades as shown and specified.

A. Standards: Shade fabric material shall meet the requirements of the following:
1. NFPA 701 Flame Test and California US Title 19 for flame retardant materials.

B. Field measure window openings and verify installation conditions prior to window shade fabrication

C. Warranty:
1. 5 years against defects in materials and workmanship.
2. 1 year for service call repairs and adjustments.

2.1 Materials:

A. Manufacturer: Insolroll Window Shading Systems, Inc. (800) 447-5534, internet www.insolroll.com

B. Window Shades: Insolroll 2000 Solar Screen Shades, manual operation.
1. Solar Screen Shade Fabric: Insolroll woven fiberglass yarn, 5% openness, Charcoal/Bronze color.
2. Provide manufacturer's recommended mounting brackets and hardware.

C. Fabrication: Unless otherwise indicated, fabricate window shade units to completely fill existing window openings from jamb to jamb and from head to 42" AFF or the nearest horizontal mullion from 40"-44" AFF.
1. Adjustment system controlled by plastic bead chain on polyester cord. Multi-banded steel spring clutches keep shade in desired position.
2. Roller tube 2" extruded aluminum, sized to minimize deflection.
3. Fabric attached to roller tube using two-sided adhesive tape.
4. Fabric bottom hem RF heat sealed pocket with enclosed hem bar.

3.1 Installation:

A. Install window shades level and plumb in accordance with manufacturer's installation instructions and drawing details. Provide units securely anchored in place with recommended hardware and accessories to provide smooth operation without binding.

DIVISIONS 13 - 14 - NOT APPLICABLE

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
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Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

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DRAWN BY KDRB
CHECKED BY DRL / MMW

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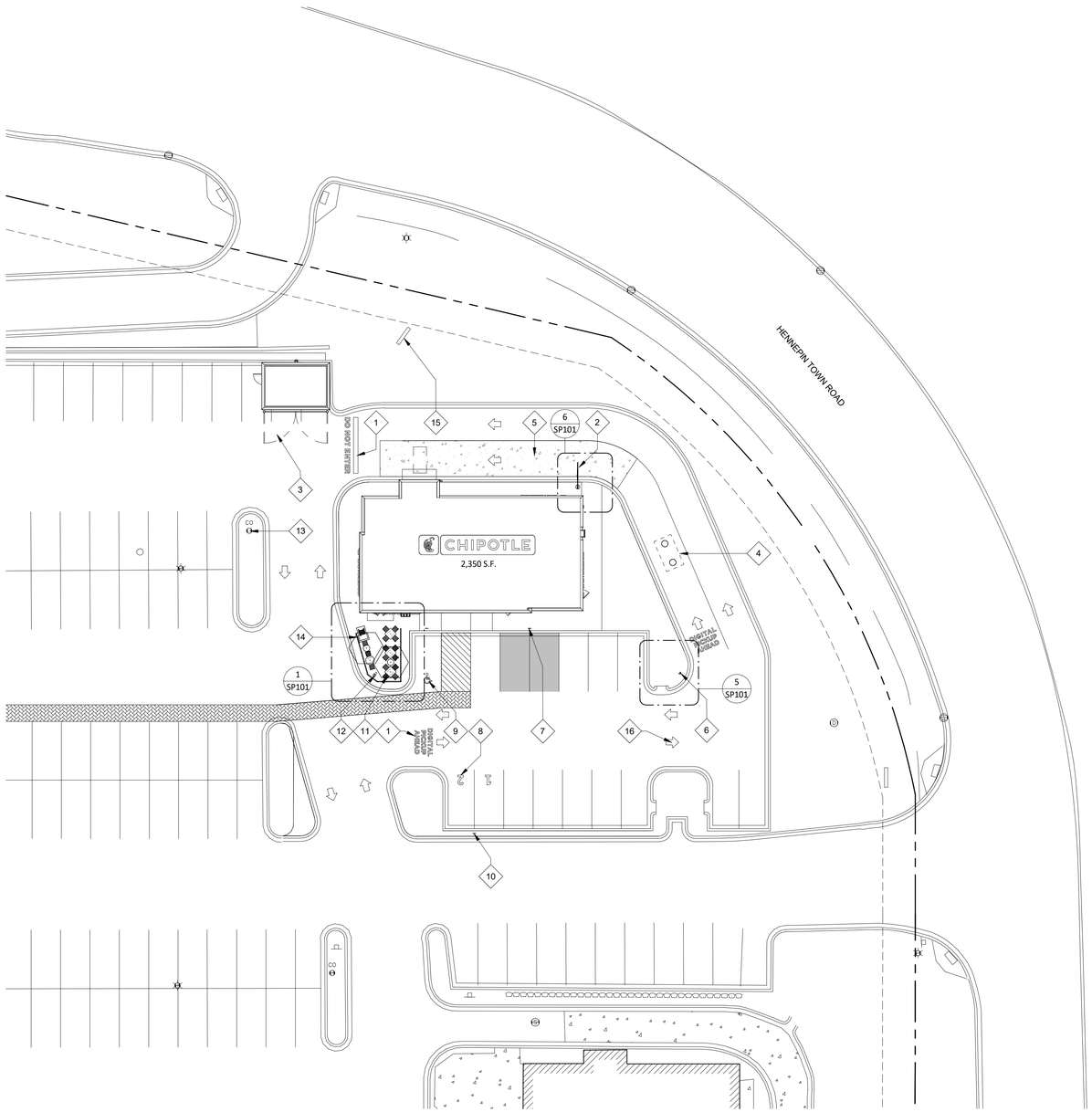

1 ARCHITECTURAL SITE PLAN

SCALE: 1" = 20'-0"

N

GENERAL NOTES - SITE PLAN

1. ALL SITE WORK INCLUDING PAVING, CURBING, PARKING, PARKING LOT LIGHTING, SIDEWALKS, LANDSCAPING, BOLLARDS AND DUMPSTER ENCLOSURE ARE EXISTING UNLESS NOTED OTHERWISE.
2. FOR STENCIL INFORMATION, REFER TO DIVISION 2 - SITE CONSTRUCTION FOR ADDITIONAL INFORMATION.
3. PROVIDED ARCHITECTURAL SITE PLAN IS FOR REFERENCE PURPOSES ONLY. GENERAL CONTRACTOR TO VERIFY LANDLORD PROVIDED ITEMS MATCH THE INDICATED NOTING BELOW AS REQUIRED. IF GENERAL CONTRACTOR OCCURS ANY DISCREPANCIES, CONTACT THE ARCHITECT IMMEDIATELY.

KEYNOTE LEGEND ◇

1	"DO NOT ENTER" AND "DIGITAL PICKUP AHEAD" AND DIRECTION ARROWS PROVIDED BY LANDLORD.
2	CLEARANCE BAR AND FOUNDATION SUPPLIED AND INSTALLED BY TSV - REFER TO SP101 FOR ADDITIONAL INFORMATION.
3	TRASH ENCLOSURE, PAD, APRON AND BOLLARD LOCATION BY LANDLORD - PROTECT DURING CONSTRUCTION.
4	1,500 GALLON GREASE INTERCEPTOR LOCATION BY LANDLORD - CHIPOTLE'S GENERAL CONTRACTOR TO REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
5	HIGH DENSITY CONCRETE 12' - 0" WIDE CONCRETE DRIVE AISLE - BEGIN 12'-0" BEFORE CLEARANCE BAR AND EXTEND TO 12' - 0" BEYOND THE CENTERLINE OF THE PICK-UP WINDOW.
6	"DIGITAL PICK-UP" SIGNAGE AND FOUNDATION SUPPLIED AND INSTALLED BY TSV - REFER TO SP101 FOR ADDITIONAL INFORMATION.
7	TWO (2) SPACES MARKED FOR 'BURRITO LOADING ZONE' PARKING - FOUNDATION AND POLE BY GENERAL CONTRACTOR - SIGN PROVIDED BY TSV - INSTALLED BY GENERAL CONTRACTOR, REFER TO SP100.
8	TWO (2) PULL-AHEAD PARKING SPACES MARKED WITH WHITE NUMBERS PARALLEL TO STRIPING AND CENTERED IN SPACE -OFFSET NUMBERS INTO PARKING SPACE 12" MAX. FROM FRONT EDGE OF STRIPING.
9	ONE (1) ACCESSIBLE PARKING SPACES MARKED WITH STRIPING AND SIGN POSTS BY LANDLORD.
10	TWO (2) POLE SIGNS FOR PULL-AHEAD PARKING SPACES - FOUNDATION AND POLE BY GENERAL CONTRACTOR - SIGN PROVIDED BY TSV - INSTALLED BY GENERAL CONTRACTOR.
11	206 SF CONCRETE PATIO SLAB BY LANDLORD - PROTECT DURING CONSTRUCTION.
12	RAB PATIO LIGHT, CONDUIT STUB-UP BY LANDLORD. PATIO LIGHT AND FOUNDATION BY CHIPOTLE GENERAL CONTRACTOR.
13	SITE LIGHTING - PROTECT DURING CONSTRUCTION.
14	PATIO RAILING BY LANDLORD - PROTECT DURING CONSTRUCTION.
15	EXISTING MONUMENT SIGNAGE LOCATION BY LANDLORD - TENANT SIGN PANELS PROVIDED BY TSV
16	DIRECTIONAL PAVEMENT MARKINGS PROVIDED BY LANDLORD.

CONSULTANT:

WILKUS ARCHITECTS

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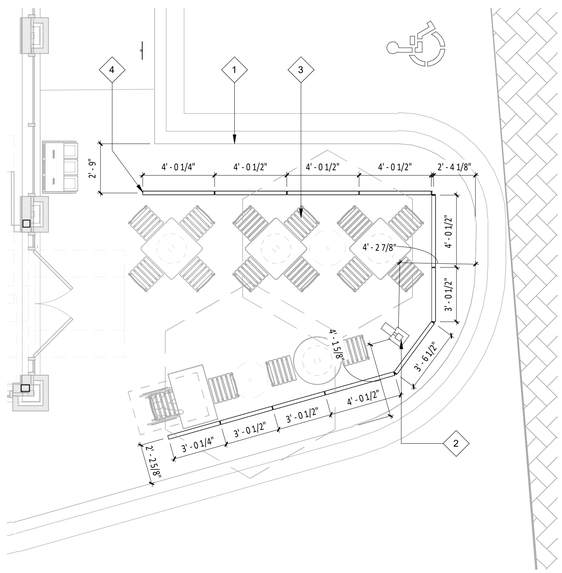
SITE PLAN

SHEET NUMBER:

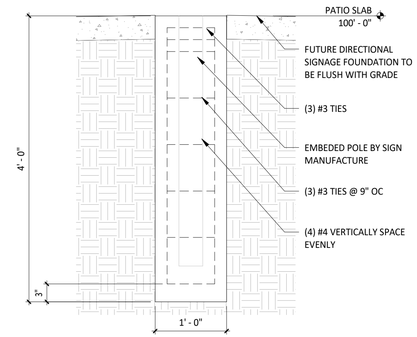
SP100

NOTE: DO NOT FEATHER THE CEMENTITIOUS GROUT AT ANY OF THE CORE DRILLS OR LIGHT FOUNDATIONS. FILL IN TO BE A CLEAN AND LEVEL FINISH



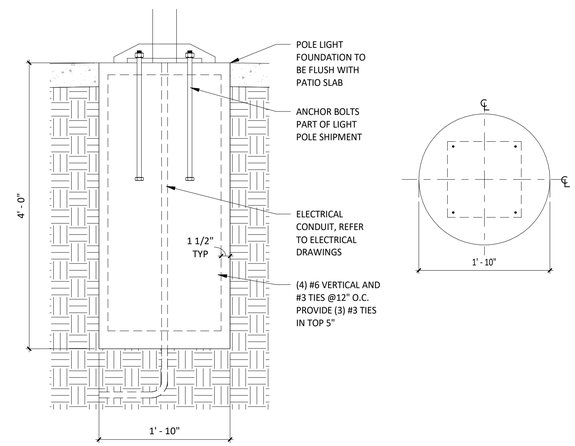
1 DIMENSIONED PATIO PLAN

SCALE: 1/4" = 1'-0"



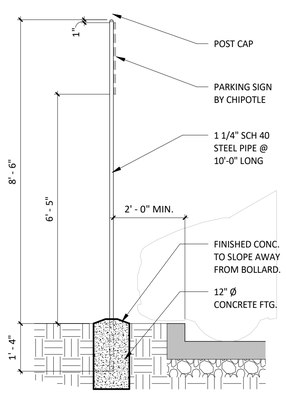
2 DIRECTIONAL SIGNAGE FOUNDATION

SCALE: 1" = 1'-0"



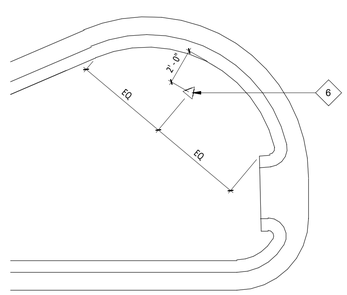
3 CLEARANCE POLE FOUNDATION

SCALE: 1" = 1'-0"



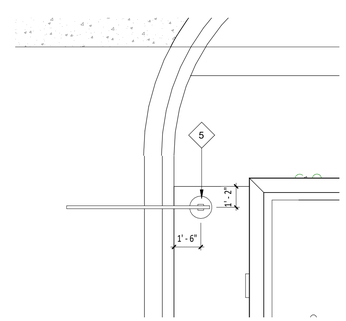
4 TYP. SIGN POST DETAIL

SCALE: 1/2" = 1'-0"



5 DIGITAL PICK-UP SIGN

SCALE: 1/4" = 1'-0"



6 CLEARANCE BAR

SCALE: 1/4" = 1'-0"

GENERAL NOTES - SITE PLAN

1. ALL SITE WORK INCLUDING PAVING, CURBING, PARKING, PARKING LOT LIGHTING, SIDEWALKS, LANDSCAPING, BOLLARDS AND DUMPSTER ENCLOSURE ARE EXISTING UNLESS NOTED OTHERWISE.
2. FOR STENCIL INFORMATION, REFER TO DIVISION 2 - SITE CONSTRUCTION FOR ADDITIONAL INFORMATION.
3. PROVIDED ARCHITECTURAL SITE PLAN IS FOR REFERENCE PURPOSES ONLY. GENERAL CONTRACTOR TO VERIFY LANDLORD PROVIDED ITEMS MATCH THE INDICATED NOTING BELOW AS REQUIRED. IF GENERAL CONTRACTOR OCCURS ANY DISCREPANCIES, CONTACT THE ARCHITECT IMMEDIATELY.

KEYNOTE LEGEND ◇

1	EDGE OF PATIO SLAB.
2	RAB PATIO LIGHT, CONDUIT STUB-UP BY LANDLORD. PATIO LIGHT AND FOUNDATION BY CHIPOTLE GENERAL CONTRACTOR.
3	PATIO FURNITURE SUPPLIED BY CHIPOTLE AND INSTALLED BY CHIPOTLE GENERAL CONTRACTOR.
4	NO HOLES REQUIRED IN END POSTS, TYP
5	CLEARANCE BAR AND FOUNDATION SUPPLIED AND INSTALLED BY TSV - REFER TO SP101 FOR ADDITIONAL INFORMATION.
6	"DIGITAL PICK-UP" SIGNAGE AND FOUNDATION SUPPLIED AND INSTALLED BY TSV - REFER TO SP101 FOR ADDITIONAL INFORMATION.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

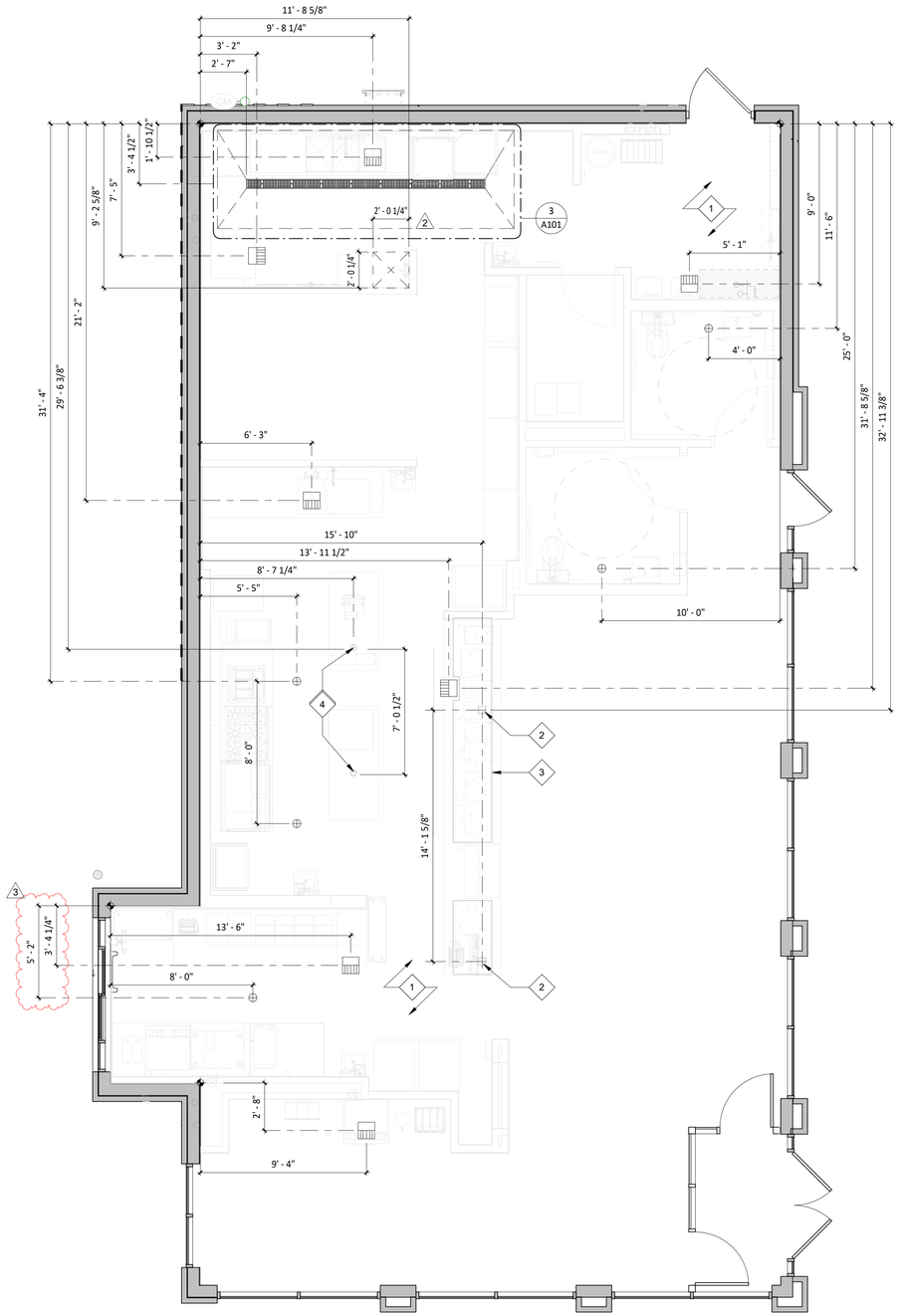
2	06/04/2024	BID SET UPDATES

TITLE:

SITE DETAILS

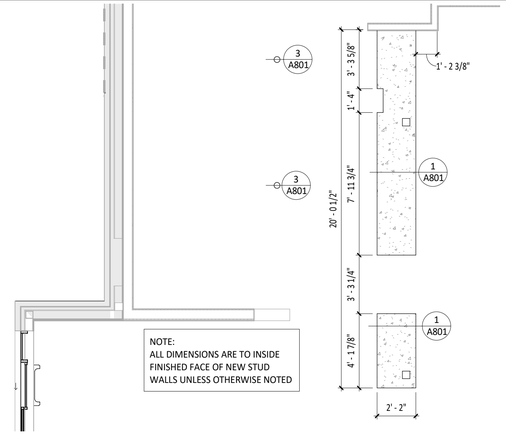
SHEET NUMBER:

SP101



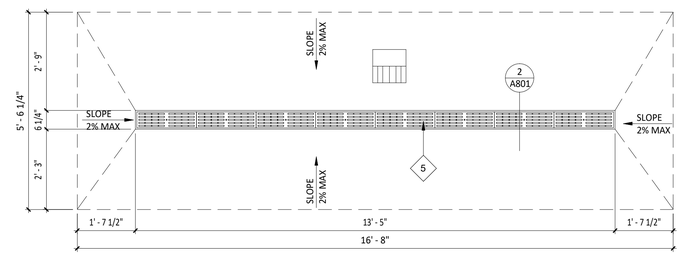
1 SLAB WORK PLAN

SCALE: 1/4" = 1'-0"



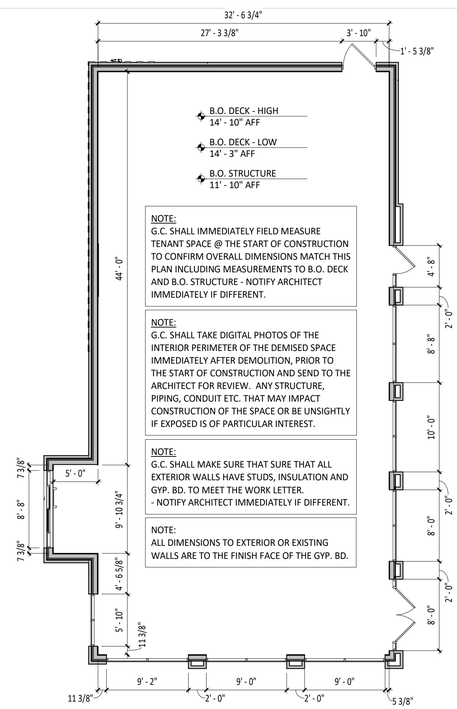
2 CURB PLAN

SCALE: 1/4" = 1'-0"



3 TRENCH DRAIN DETAIL

SCALE: 1/2" = 1'-0"



4 DEMISED PREMISES PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES - SLAB PLAN

A. ALL INTERIOR DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO EXTERIOR OR EXISTING WALLS ARE TO FINISH FACE OF EXISTING GYPSUM BOARD. ALL DIMENSIONS TAKEN FROM TARGET POINT U.N.O.

B. ALL DIMENSIONS ARE TO THE CENTERLINE OF FIXTURE UNLESS OTHERWISE NOTED.

C. GC TO REVIEW ELECTRICAL PLANS FOR LIGHTING OR POWER STUB LOCATIONS PRIOR TO POURING SLAB.

D. REFER TO "03300 - CAST-IN-PLACE CONCRETE" IN SPECIFICATIONS FOR CONCRETE PATCHING OR INSTALLATION INFORMATION.

E. VERIFY PERIMETER FOUNDATION INSULATION IS EXISTING IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

F. ALL TILED FLOOR TO MAINTAIN POSITIVE SLOPE TO ALL FLOOR DRAINS OF NOT GREATER THAN 2% SLOPE FOR A 4'X4' AREA U.N.O.

G. EXISTING SLAB TO BE TRENCHED AS NEEDED PER PLUMBING AND ARCHITECTURAL PLANS

PLUMBING LEGEND

FLOOR SINK LOCATION ⊕ FLOOR DRAIN LOCATION

KEYNOTE LEGEND ◇

1	NEW CONCRETE SLAB-ON-GRADE WIH 10 MIL POLY VAPOR BARRIER OVER POROUS FILL - REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
2	5" X 5" POWER STUB LOCATION - COORDINATE WITH ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
3	4" CONCRETE CURB - COORDINATE EXACT LOCATION WITH FINAL EQUIPMENT LOCATIONS - SEE DETAILS 1/A801 AND 2/A101 FOR ADDITIONAL INFORMATION.
4	4" PVC PIPE WITH 2" HIGH CONCRETE INFILL FOR POWER STUBS - TYPICAL OF TWO (2) - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
5	TRENCH DRAIN TO BE RECESSED INTO SLAB A MINIMUM OF 8" THICK CONCRETE SLAB WITH 4" MINIMUM CONCRETE BED BELOW - REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS - SEE DETAIL 3/A101 FOR ADDITIONAL INFORMATION - SLOPE FLOOR IN THIS AREA ONLY TOWARDS DRAIN 1/40.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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SEAL:

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Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO. 2023-0144
DRAWN BY KDRB
CHECKED BY DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

2	06/04/2024	BID SET UPDATES
3	08/26/2024	CONSTRUCTION SET

TITLE:

SLAB WORK PLAN

SHEET NUMBER:

A101

GENERAL NOTES - FLOOR PLAN

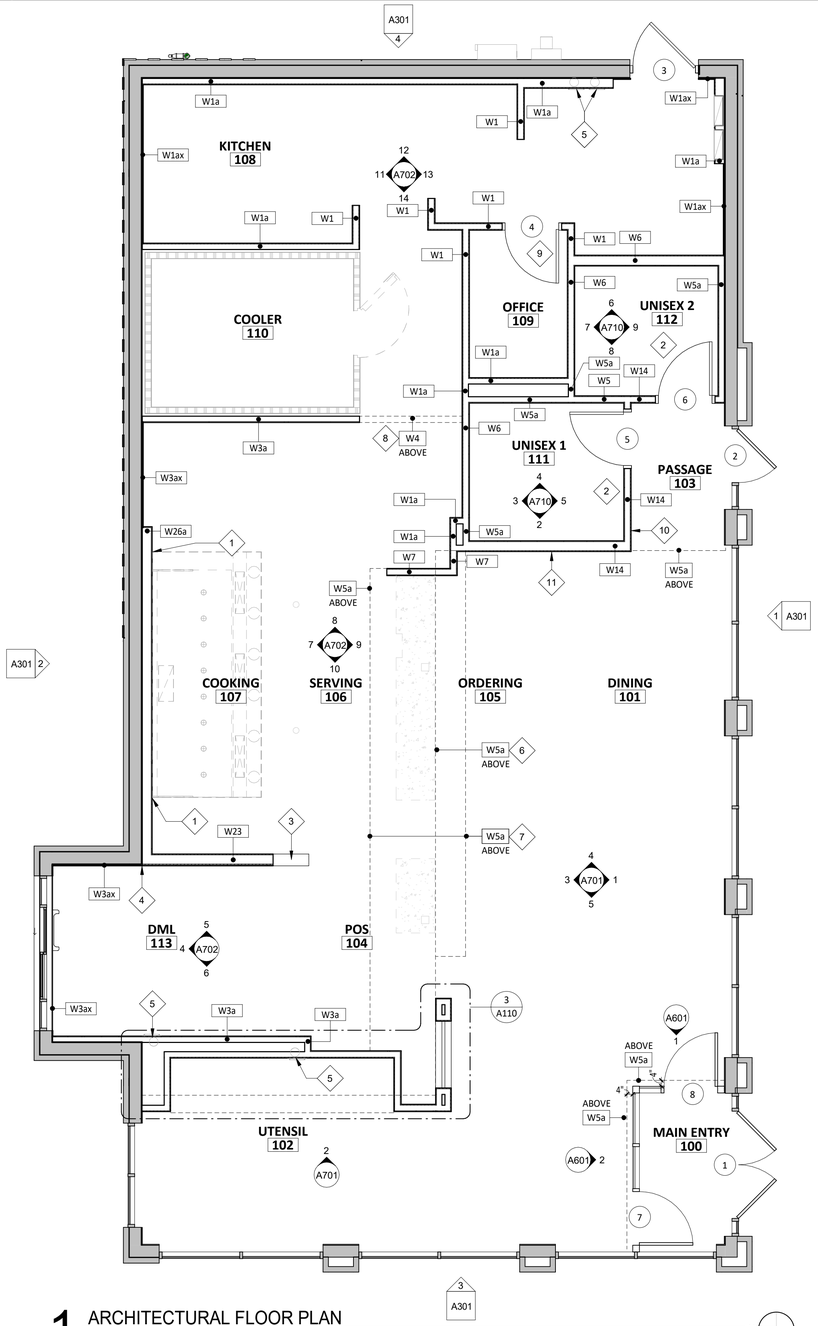
A. ALL INTERIOR DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO EXTERIOR OR EXISTING WALLS ARE TO FINISH FACE OF EXISTING GYPSUM BOARD. ALL DIMENSIONS TAKEN FROM TARGET POINT U.N.O.
B. DASHED CIRCLE IN RESTROOM INDICATE TURNING DIAMETER REQUIRED BY ADA.
C. REFER TO WALL FINISH LEGEND ON A120.
D. ALL STUDS ARE 3 5/8" METAL STUDS UNLESS NOTED OTHERWISE ON PLAN.
E. ALL INTERIOR DOORS ARE 4" OFF OF PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
F. IN SITUATIONS WHERE TENANT'S G.C. IS TO PROVIDE TYPE 'X' GYP. BD. FOR A RATED ASSEMBLY, THE TYPE 'X' GYP. BD. IS REQUIRED TO GO BENEATH THE SHEATHING AND FINISHES.
G. SEE SHEET A801 FOR ADDITIONAL SHEATHING BEHIND CERTAIN WALL FINISHES.
H. SEE A601 FOR DOOR TYPES.
I. TENANT'S GENERAL CONTRACTOR TO LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING AND REPORT ANY DESCREPANCIES IN NOTED DIMENSIONS TO ARCHITECT AND CHIPOTLE MEXICAN GRILL'S CM PRIOR TO PROCEEDING. FAILURE TO ADHERE TO THESE REQUIREMENTS RESULTING IN ANY REMEDIATION REQUIRED TO MEET DESIGN INTENT WILL BE AT CONTRACTOR'S COST.
J. SEE A110 FOR WALL TYPE INFORMATION.
K. PROVIDE DEFLECTION TRACK AT ALL WALLS WHICH GO TO THE UNDERSIDE OF DECKING, REFER TO SHEET A110.
L. PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
M. DENSSHIELD TILE BACKER BOARD SHALL NOT BE INSTALLED OVER VAPOR BARRIERS AT EXTERIOR WALLS.
N. MOISTURE RESISTANT GYP. BD. SHALL BE USED IN RESTROOMS.

WALL TYPE LEGEND

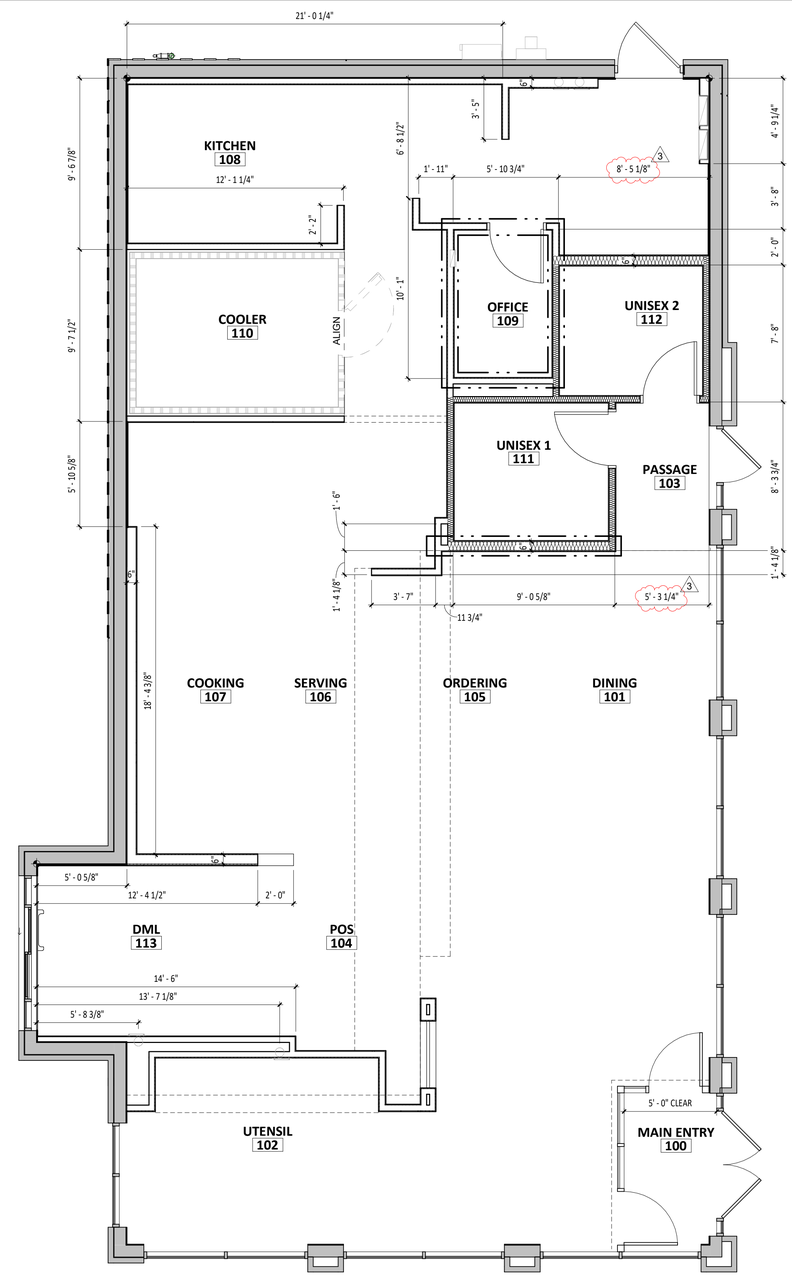
NEW CONSTRUCTION
EXISTING CONSTRUCTION
NEW CONSTRUCTION WITH SOUND BATT INSULATION
WALK-IN COOLER
INDICATES LOCATION OF ITEMS ABOVE
DESIGNATES WALLS & SHEATHING TO EXTEND TO DECK

KEYNOTE LEGEND

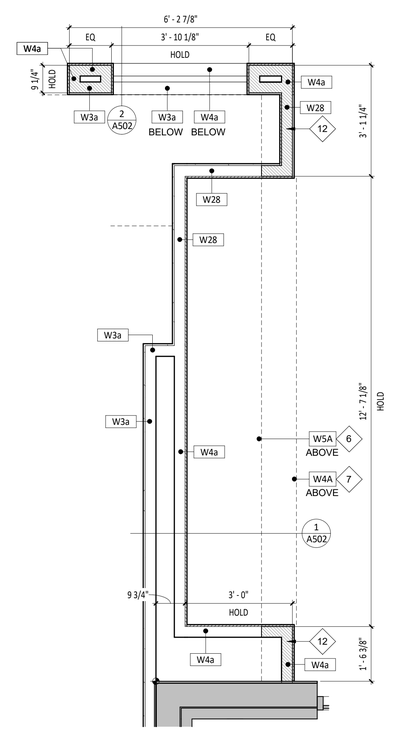
1	WHERE GREASE EXHAUST HOOD INTERSECTS WALLS, PROVIDE 24 GAUGE GALVANIXED METAL FROM TOP OF WALL TO 18" PAST HOOD IN ALL DIRECTIONS.
2	FOR ALL REQUIRED BLOCKING, REFER TO ELEVATIONS ON A710.
3	LOCATION OF WALL PASS-THROUGH OPENING - REFER TO A702.
4	SUBSTRATE FACE TO ALIGN.
5	DRYER VENTS IN WALL FOR SODA LINES ROUTED ABOVE 4" PVC PIPES - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
6	DASHED LINES INDICATE LOCATION OF SOFFIT WALL TO DECK ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
7	DASHED LINES INDICATE LOCATION OF SOFFIT ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
8	DASHED LINES INDICATE LOCATION OF HEADER ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
9	PROVIDE MOUNTING BOARDS FOR SECURITY SYSTEMS AND TELECOMS - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10	PROVIDE IN-WALL BLOCKING FOR LICENSE FRAME AS REQUIRED.
11	PROVIDE IN-WALL BLOCKING FOR ART WALL AS REQUIRED.
12	HATCH LOCATED WITHIN WALLS AS SHOWN INDICATES THAT THE TOP OF FRAMING IS TO NOT EXCEED 10'-0"A.F.F.



1 ARCHITECTURAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 DIMENSIONED FLOOR PLAN
SCALE: 1/4" = 1'-0"



3 ENLARGED UTENSIL/MOPUS PLAN
SCALE: 1/2" = 1'-0"

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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Matthew M. Wilkus LICENSE # 54678

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ISSUE RECORD:

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08-26-24	CONSTRUCTION SET

REVISIONS:

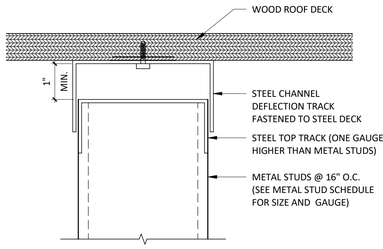
3	08/26/2024	CONSTRUCTION SET

TITLE:

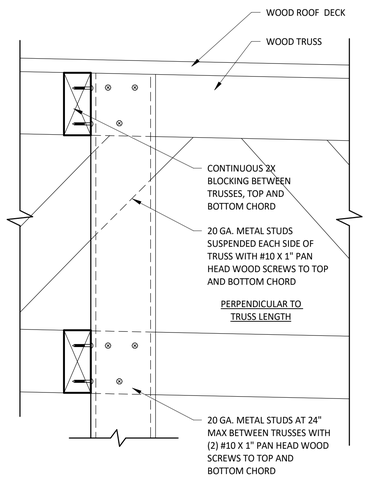
ARCHITECTURAL FLOOR PLAN

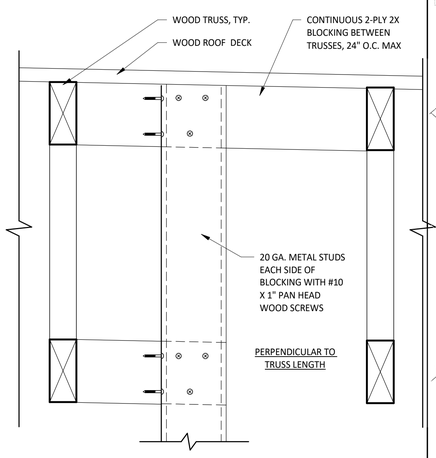
SHEET NUMBER:

A110



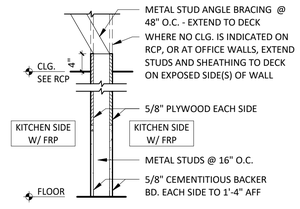
1 DEFLECTION TRACK DETAIL @ PARTITION
SCALE: 6" = 1'-0"



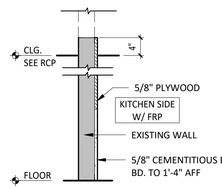


2 SOFFIT HANGING DETAIL
SCALE: 3" = 1'-0"

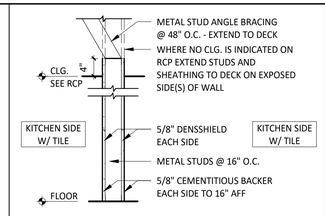
WALL TYPES



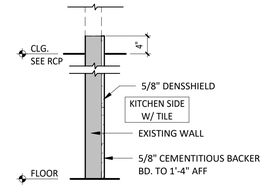
W1 INTERIOR PARTITION
W1a INTERIOR PARTITION (1-SIDE ONLY)



W1ax INTERIOR PARTITION (SUBSTRATE ONLY)



W3 INTERIOR PARTITION (NOT USED)
W3a INTERIOR PARTITION (1-SIDE ONLY)



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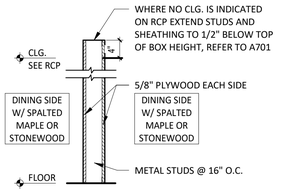

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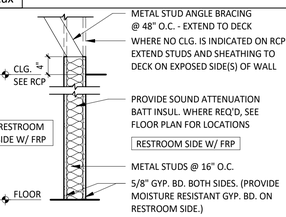
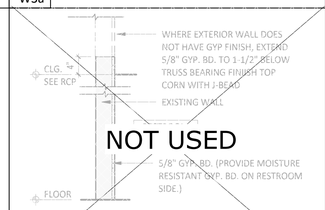


W5 INTERIOR PARTITION
W5a INTERIOR PARTITION (1-SIDE ONLY)



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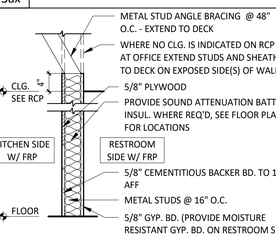
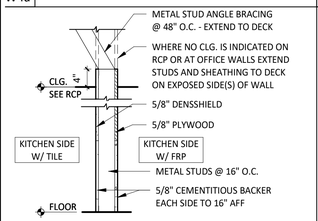
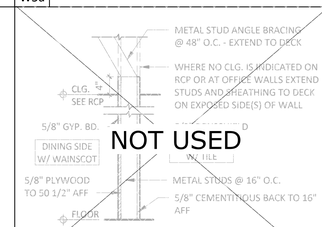


W6 INTERIOR PARTITION



W7 INTERIOR PARTITION



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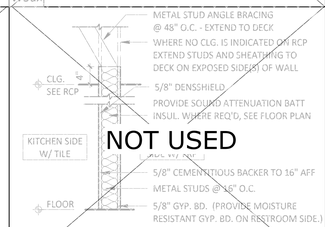
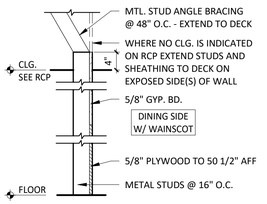
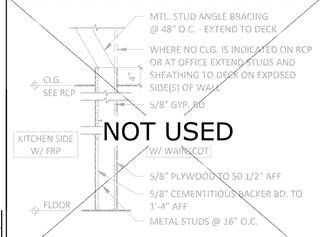


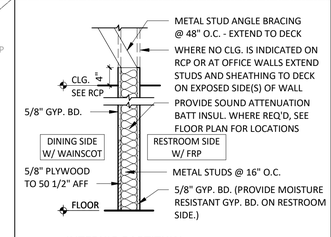
W9 INTERIOR PARTITION



W10a INTERIOR PARTITION



W11 INTERIOR PARTITION



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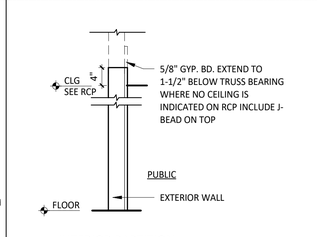
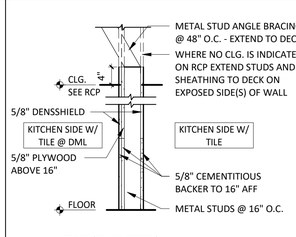
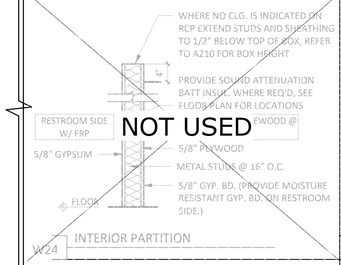


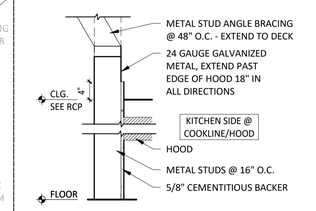
W15ax INTERIOR PARTITION



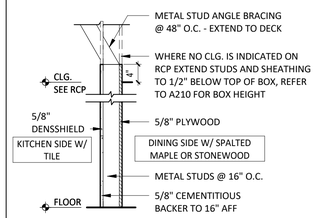
2
W23 INTERIOR PARTITION



W24 INTERIOR PARTITION



W26a INTERIOR PARTITION



W28 INTERIOR PARTITION

GENERAL NOTES - WALL TYPES

A. REFER TO FINISH SCHEDULE AND CERAMIC TILE WALL FINISHES KEY PLAN ON SHEET A120 FOR WALL FINISHES, REFER TO FLOOR PLAN ON A110 FOR METAL STUD SIZE.
B. G.C. SHALL PROVIDE SOLID BLOCKING IN WALLS AS REQUIRED OR AS NEEDED.
C. STUDS ARE 3 5/8" METAL STUDS UNLESS OTHERWISE NOTED ON PLAN.
D. ALL CONCEALED WOOD TO BE FRT RATED.

STUD SCHEDULE & NOTES

1. ALL HEIGHTS REFER TO UN-BRACED HEIGHTS.
2. ALL HEIGHTS BASED ON 16" O.C. SPACING.
3. BOTTOM TRACK TO BE SAME GAUGE AS STUD.
4. TOP TRACK TO BE ONE GAUGE HIGHER.

SIZE/TYPE	W/O HUNG SHELVING	W/ HUNG SHELVING
362S125-18	UP TO 12'-0"	
362S137-33	UP TO 16'-0"	UP TO 12'-0"
600S137-33	UP TO 22'-0"	UP TO 16'-0"
600S162-43	UP TO 26'-0"	UP TO 22'-0"

PARTITION NOTES

1. ALL METAL STUDS TO CONFORM TO LOCAL BUILDING CODES.
2. ALL STUD WALLS AND PARTITIONS REQUIRE GYP. BOARD ON BOTH SIDES FOR THE FULL HEIGHT OF THE STUDS UNLESS SPECIFICALLY DETAILED OTHERWISE.
3. ALL SUSPENDED WALLS SHALL HAVE GYP. BOARD WHICH EXTENDS 4" ABOVE THE SUSPENDED CEILING UNLESS SHOWN AND/OR NOTED OTHERWISE BY THE ARCHITECT.
4. FIRE RETARDANT PLYWOOD MAY SUBSTITUTE FOR GYP. BOARD WHERE SO DIRECTED BY THE ARCHITECT.
5. ALL STUD WALLS AND PARTITIONS SHALL HAVE CONTINUOUS LINES OF BRIDGING SPACED AT 4'-0" MAXIMUM ON CENTER. THE BRIDGING SHALL BE SECURELY FASTENED TO THE STUDS WITH EITHER SCREWS OR WELDS. REFER TO DETAILS THIS SHEET.
6. ALL STUDS SHALL BE "CEE" STUDS WITH FLANGE STIFFENERS.
7. THE MATERIALS AND DETAILS SHOWN ARE FOR TYPICAL INSTALLATIONS. WHERE THE STUD MANUFACTURER'S RECOMMENDATIONS OR LOCAL ORDINANCES ARE MORE RESTRICTIVE, THEY SHALL APPLY.
8. TYPICAL FASTENER:

A: STEEL STUDS TO STEEL STUDS OR TRACKS:
20 GAUGE - #8 - 18 X 1/2" TEKS WITH PHILIPS PAN HEAD - MIN. 2 PER CONNECTION
18/16 GAUGE - #10 - 16 X 3/4" TEKS WITH PHILIPS PAN HEAD - MIN. 3 PER CONNECTION

B: STEEL STUDS OR TRACKS TO WOOD PURLINS, GIRDERS AND BEAMS:
#14 - 10 X 1-1/2" H.W.H. TYPE "S" METAL-TO-WOOD TEKS AT 12" O.C., 2" FROM EACH END

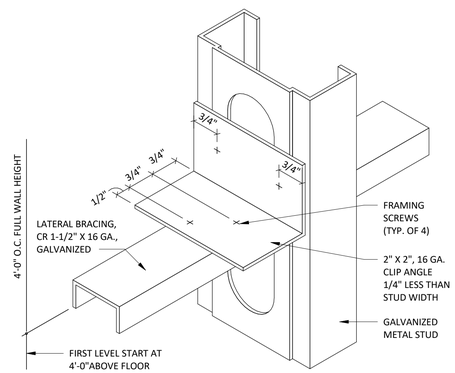
C: STEEL STUDS OR TRACKS TO STRUCTURAL STEEL (TUBE/WIDE FLANGE COL'S, BM'S, GIRDER'S, ETC.)
0.145" DIA. HILTI X-EDNI FASTENERS, 5/8" MIN, LENGTH AND MIN. OF 2 PER CONNECTION, OR 2 ROWS AT 16" O.C. FOR CONTINUOUS APPLICATIONS SUCH AS TRACKS, U.N.O.

D: PLYWOOD TO STEEL STUDS:
#10 - 24 X 1-1/4" TEKS/3 (PLYMETALTEKS) WITH THIN WAFER HEAD - 24" O.C. FILED, 12" O.C. PERIMETER

E: GYPSUM BOARD TO STEEL STUDS:
#7 X 1-1/4" HI-LOW TYPE "S" BUGLE HEAD SCREWS FOR 3/8" TO 5/8" GYPSUM BOARD TO 25 GAUGE OR 20 GAUGE STUDS
#6 X 1-1/4" TYPE S-12 BUGLE HEAD SCREWS FOR 3/8" TO 5/8" TO 18 GAUGE OR 16 GAUGE STUDS OR TRACKS
FIELD - 12" O.C. CEILINGS, 24" O.C. WALLS
BUTT JOINTS 12" O.C.

F: STEEL STUDS OR TRACKS TO CONCRETE:
0.145" DIA. HILTI X-DNI FASTENER, 1" MIN. LENGTH, 2 ROWS AT 16" O.C.

NOTE: ALL CONCEALED WOOD TO BE FRT RATED



3 LATERAL BRACING DETAIL @ PARTITION
SCALE:NOT TO SCALE

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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PO BOX 182566
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"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

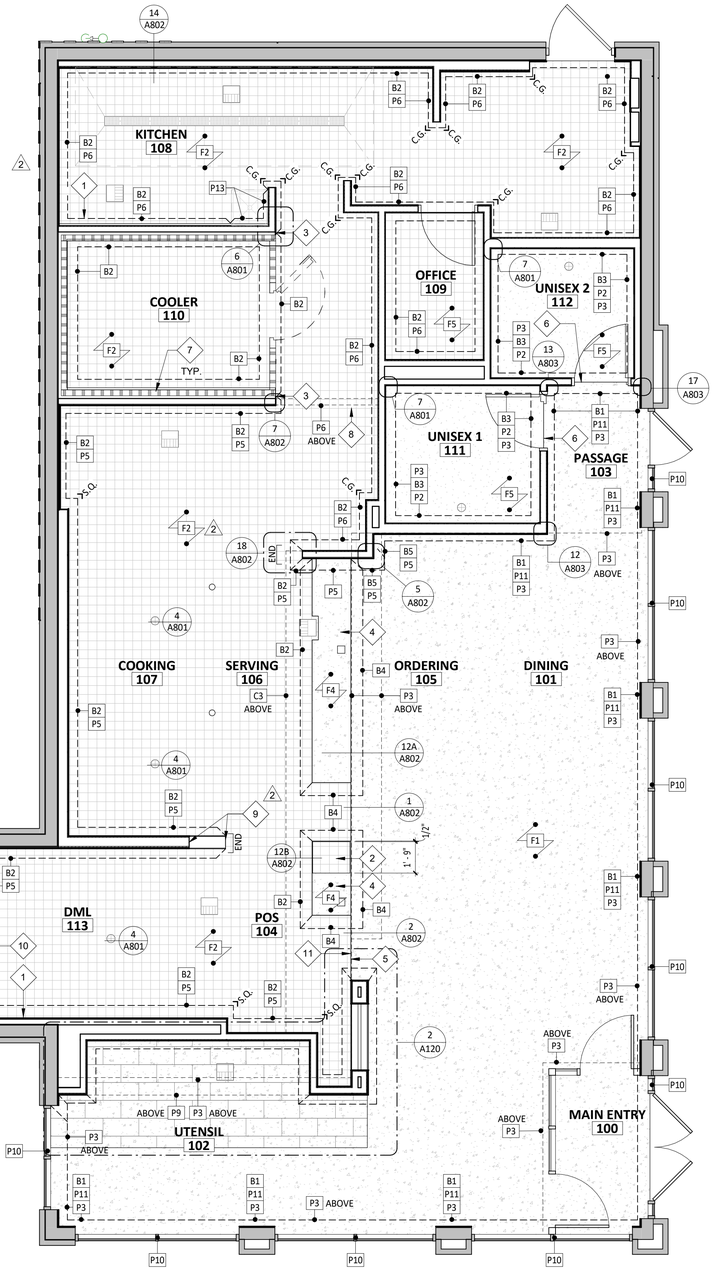
2	06/04/2024	BID SET UPDATES

TITLE:

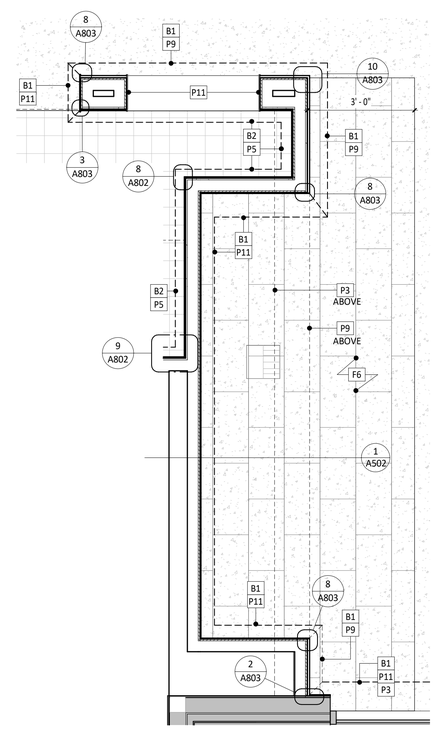
ARCHITECTURAL WALL TYPES

SHEET NUMBER:

A111



1 FINISH PLAN
SCALE: 1/4" = 1'-0"



2 ENLARGED FINISH PLAN
SCALE: 1/2" = 1'-0"

FINISH LEGEND

LGD. #	FLOOR FINISHES
F1	POLISHED CONCRETE
F2	QUARRY TILE
F3	EXISTING EXTERIOR CONCRETE
F4	SEALED CONCRETE
F5	RESINOUS FLOORING
F6	PORCELAIN TILE

LGD. #	DOOR FINISHES
D1	PAINT "BLACK"
D2	PAINT "KNIGHTS ARMOR"

LGD. #	WALL BASE FINISHES
B1	BLACK RUBBER, COVELESS
B2	QUARRY TILE, COVE
B3	BLACK RUBBER, COVE
B4	QUARRY TILE, COVELESS
B5	CERAMIC TILE

LGD. #	WALL BASE FINISHES
P1	GYP BD; PAINT "MOONLIT SNOW"
P2	FIBERGLASS REINFORCED PANELS TO 4'-0" AFF (SMOOTH)
P3	GYP BD; PAINT "THIN ICE", EGGSHELL, REFER TO A701 AND A710
P4	NOT USED
P5	CERAMIC TILE - WHITE
P6	FIBERGLASS REINFORCED PANELS (PEBBLED FINISH)
P7	NOT USED
P8	NOT USED
P9	SPALTED MAPLE WALL PANEL, HORIZONTAL GRAIN
P10	EXISTING STOREFRONT
P11	STONEWOOD WALL PANEL
P12	EXISTING PREFINISHED BRAKE METAL
P13	STAINLESS STEEL

LGD. #	CEILING/DECK FINISHES
C1	OPEN TO STRUCTURE, UNPAINTED
C2	STONEWOOD
C3	GYP BD; PAINT "MOONLIT SNOW"
C4	2X4 VINYL-FACED LAY-IN
C5	FELT BAFFLES

GENERAL NOTES - FINISH PLAN

A. STONEWOOD WALL PANELS AND WAINSCOTS PROVIDED BY TMS, INSTALLED BY GC.
B. SPALTED MAPLE PANELS PROVIDED BY TMS, INSTALLED BY GC.
C. GC IS RESPONSIBLE FOR SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES (GYP. BD. FINISHES).
D. PROVIDE WATER PROOFING MEMBRANE, REFER TO A802 DETAILS. PROVIDE ON INTERIOR OF ALL RESTROOM WALLS, REFER TO A801 DETAILS

FINISH PLAN SYMBOL LEGEND

S.Q. = PROVIDE A SCHLUTER QUADEC METAL CORNER AT ALL TILED CORNERS - REFER TO A802 FOR ADDITIONAL INFORMATION

C.G. = PROVIDE 1 1/2" X 1 1/2" STAINLESS STEEL CORNER GUARD UP TO 5'-0" A.F.F. - 1 1/2" X 1 1/2" FRP CORNER GUARD FROM TOP TO CEILING- REFER TO A802 FOR ADDITIONAL INFORMATION

END = PROVIDE END GUARD - REFER TO A802 FOR ADDITIONAL INFORMATION

KEYNOTE LEGEND

1	GENERAL CONTRACTOR TO PROVIDE 18 GAUGE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKER.
2	PROVIDE QUARRY TILE ON TOP OF CURB FOR SMART SAFE AND WATER SOFTENER - PROVIDE BULLNOSE TILE TO LAP OVER TOP CUT EDGE OF BASE TILE - REFER TO A801 FOR ADDITIONAL INFORMATION - G.C. TO COORDINATE EXTENT OF QUARRY TILE WITH KES PRIOR TO INSTALLATION
3	FRP ENCLOSURE PANEL AT COOLER GAP - REFER TO A802 FOR ADDITIONAL INFORMATION.
4	CONCRETE CURB FOR EQUIPMENT WITH QUARRY TILE BASE AT ALL EXPOSED EDGES.
5	EXTENT OF QUARRY TILE FROM KITCHEN.
6	EXTENT OF RESINOUS FLOOR FROM RESTROOMS - ALIGN EDGE OF FLOOR WITH CENTER OF DOOR JAMB.
7	COOLER WALL PANELS AS PROVIDED BY THE COOLER MANUFACTURER HAVE A 26-GAUGE COATED AND EMBOSSED STEEL FINISH.
8	PROVIDE TOP CORNER AT TRANSITION FROM GYPSUM BOARD CEILING TO FRP WALL - REFER TO A210 FOR ADDITIONAL INFORMATION.
9	ALUMINUM ENDCAP - REFER TO A802 FOR ADDITIONAL INFORMATION.
10	ALUMINUM PLATE BELOW DRIVE-THRU WINDOW - REFER TO A802 FOR ADDITIONAL INFORMATION.
11	ALIGN LOW EDGE OF RENO RAMP WITH FRONT EDGE OF EQUIPMENT CURB AND FACE OF ADJACENT WALL BASE FINISH. AT DOORS, ALIGN LOW EDGE WITH FRONT FACE OF DOOR.

CONSULTANT:

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Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

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CHECKED BY	DRL / MMW

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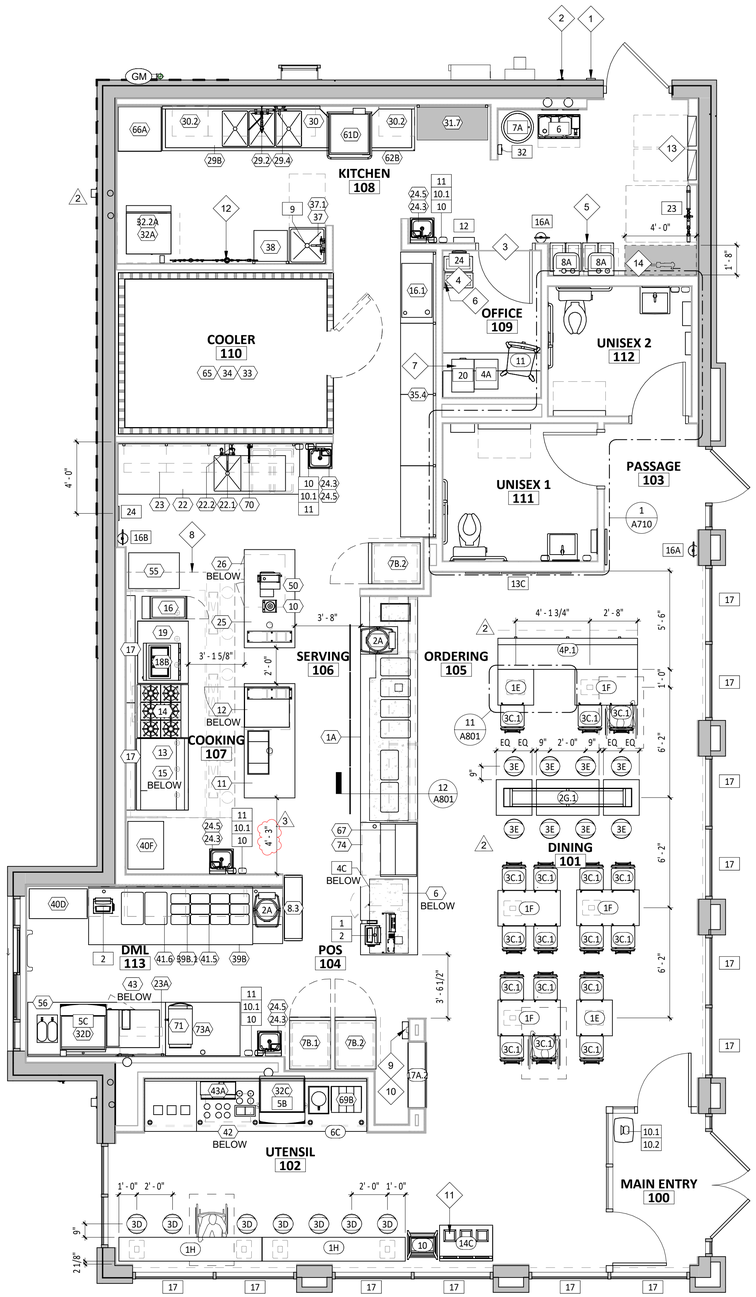
REVISIONS:

2	06/04/2024	BID SET UPDATES

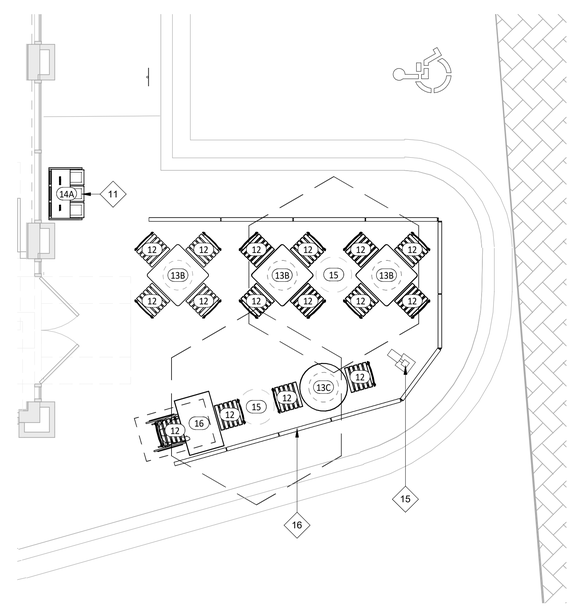
TITLE:
FINISH PLAN

SHEET NUMBER:
A120



1 FURNITURE, FIXTURE, & EQUIPMENT PLAN

SCALE: 1/4" = 1'-0"



2 FURNITURE, FIXTURE & EQUIPMENT PATIO PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES - FF& E

A. REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
B. ALL DIMENSIONS TO EXTERIOR OR EXISTING WALLS ARE TO THE FINISH FACE OF THE EXISTING GYP. BD.
C. ALL DIMENSIONS ARE TO FACE OF FRAMING, EDGE OF EQUIPMENT, OR CENTERLINE OF EQUIPMENT UNLESS NOTED OTHERWISE.
D. ALL FURNITURE TO BE SQUARE/PARALLEL TO TENANT SPACE/WALLS AS SHOWN ON PLANS.

KEYNOTE LEGEND

1	C02 REMOTE FILLER - VERIFY FINAL LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.
2	HOSE BIBB - REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
3	TELEPHONE BOARD ABOVE - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4	MOVEABLE BACK-UP TRASH BINS FOR DINING AREA TRASH SURROUNDS - TYPICAL OF TWO (2).
5	MOVEABLE LINEN BINS WITH LID - TYPICAL OF FOUR (4).
6	BYPASS DISTRIBUTION PANEL - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
7	OFFICE DESK AND SHELVING - REFER TO SHEET A702 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
8	DASHED LINE INDICATES LOCATION OF HOOD ABOVE.
9	KRONOS TIMECLOCK WILL BE LOCATED 40" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.
10	ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.
11	HOLD TRASH SURROUND OFF 2" AROUND ADJACENT WALL SURFACES - TYPICAL.
12	WATER FILTER ABOVE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
13	ELECTRICAL PANEL LOCATION - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
14	HATCHED AREA REPRESENTS CLEAR SPACE FOR FIRE RISER LOCATION.
15	RAB PATIO LIGHT, CONDUIT STUB-UP BY LANDLORD. PATIO LIGHT AND FOUNDATION BY CHIPOTLE GENERAL CONTRACTOR.
16	PATIO RAILING BY LANDLORD - PROTECT DURING CONSTRUCTION.

CONSULTANT:

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3	08/26/2024	CONSTRUCTION SET

TITLE:

FF&E PLAN

SHEET NUMBER:

A130

KITCHEN EQUIPMENT LIST

TAG	DESCRIPTION	MANUFACTURER	MODEL NO.	QTY	FURNISHED BY	INSTALLED BY	UTILITY ELEC	UTILITY GAS	UTILITY WATER	UTILITY SEWER	REMARKS
1.1	Sneeze Guard Serve Line 12 Pan (Right)	BSI	Custom-R	1	TMS	TMS/GC					
1A	Front Serve Line - 12 Pan - RTD - POS Right	Delfield	12 Pan Serve Line POS RTD_241x38.5in (Right)	1	KES	KES; GC	●			●	Installed On Concrete Curb
2A	Tortilla Warmer	Caliente Industries	A2	2	KES	KES	●				GC To Store In Walk-In Cooler Until Final Installation
6	Cup Dispenser	Dispense-Rite	CHIP-ECL-3B	1	KES	KES; GC					Installed At POS Counter
7B.1	Upright Beverage Cooler, Single Door, Hinge Left	Varies	Varies - Solid Door	1	KES	KES	●				
7B.2	Upright Beverage Cooler, Single Door, Hinge Right	Varies	Varies - Solid Door	2	KES	KES	●				
8.3	M4.5 Chip Shelf	Trimark	Custom	1	KES	KES					
10	Blender	Vitamix	748	1	T	T	●				GC To Store In Walk-In Cooler Until Final Installation
11	Carving Station - 77x34in - Horizontal Well - Right	Delfield	77x34in Carving Station-RT	1	KES	KES	●				
12	Undercounter Refrigerator	Hoshisaki	CRMR27-LP	1	KES	KES	●				
13	Grill 48in - Natural Gas - Divider Left	Woodstone	WS-PL-48-36-4-CT-Left	1	KES	KES	●	●			
13.1	Woodstone Grease Splash Guard	Nationwide Fab; Marlo Mfg	CHP-GCG-GSG	1	KES	KES					Verify If Required
14	Range 6 Burner - Natural Gas	Garland	U36-6S	1	KES	KES		●			
15	Woodstone Grill Stand 48x31in - Divider Left	Woodstone	000-PL-STAND-CASTER	1	KES	KES					
16	Fryer - Gas - Standard Efficiency	Varies	Varies	1	KES	KES	●	●			Mounted On Legs, G.C. To Pin Front Legs To Floor
16.1	Grease Caddy	Varies	Chipotle Grease Caddy - RH	1	KES	KES					
17	Cook Line Stand Off - 72x6	Nationwide Fab; Marlo Mfg	CHP-72WS-6	2	KES	KES					Mount Top of Flat Surface at 33" AFF, Install Screws at Each Stud Location, Provide Blocking To Mount To Wall
18B	Gas Rice Cooker	Woodstone	WS-GRC-60	1	KES	GC	●	●			Final Connection by GC. RE:Mechanical Drawings
19	Rice Cooker Stand - Left	Nationwide Fab; Marlo Mfg	CHP-RCS-42ES-34	1	KES	KES					
22	Prep Sink - Corner - Left	Trimark	S1-122x34-US-FF-L	1	KES	GC				●	
22.1	Prep Sink Faucet Big Flow Faucet	T&S	B-0293-01	1	KES	GC			●		
22.2	Prep Sink Vegetable Wash Faucet	T&S	B-0730	1	KES	GC			●		GC To Provide Connection For Chemical Dispensing Equipment
22.3	Prep Sink Drain Assembly	T&S	B-3950	1	KES	KES; GC				●	
23	4 Shelves - 120in Prep Sink	Amco	CHPPS120	1	KES	KES					Mount Bottom Of Standard At 50" AFF. Provide Plywood Blocking To Mount To Wall.
23A	2 Shelves - 30in	Amco	Custom	1	KES	KES					Mount Bottom Of Standard At 50" AFF. Provide Plywood Blocking To Mount To Wall.
24.3	Hand Sink Wall Mounted - Splash Both	Universal Stainless	EHS-1RL-NF	4	KES	GC				●	Provide Plywood Blocking To Mount To Wall
24.5	Kitchen Hand Sink Faucet Splash Mount	T&S	B-1146-04-CR-VF10	4	KES	GC			●		Provided with B-0199-06-F10, 1.0 GPM Aerator
25	Rice Prep Table Island 66x34	Nationwide Fabrication; Marlo Mfg	Custom Table 66x34in	1	KES	KES					
26	Hot Holding Cabinet - Double Door (Rice)	Food Warming Equipment (FWE)	HLC-1220-8-8-CHP	1	KES	KES	●				
29.2	Dish Sink Add-A-Faucet w/ Pre-Rinse	T&S	B-1033-12CRBJSK Substitute Sprayer B-0107-J-SWV	1	KES	GC			●		
29.3	Dish Sink Drain Assembly	T&S	B-3950	3	KES	KES; GC				●	
29.4	Dish Sink Chemical Faucet	T&S	B-2345-01-XX	1	KES	GC			●		GC To Provide Connection For Chemical Dispensing Equipment
29B	3 Comp Sink - 18x24in Bowls - 111 3/4in	Nationwide Fabrication; Marlo Mfg	S3-30x111.75x36.5-FF	1	KES	GC				●	
30	Shelving System - 3 Comp Sink	Amco	WST1879S	1	KES	KES					Mount bottom of Standard At 56"AFF. Provide Plywood Blocking
30.2	Shelving System - Dish Table	Amco	WST1879S	2	KES	KES					Mount bottom of Standard At 56"AFF. Provide Plywood Blocking. Mount Tight To Dish Machine
31.7	Drying Racks 23x48x85in - With Vented Aluminum Covers	Varies	Custom	1	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall
32.1A	Ice Maker - Remote Condenser	Hoshizaki	URC-5FZ	1	KES	KES	●				Condensing Units To Be Secured To The Roof Per Code By GC
32.1B	Ice Maker - Remote Condenser	Hoshizaki	URC-9FZ	1	KES	KES	●				Condensing Units To Be Secured To The Roof Per Code By GC
32.2A	Ice Maker - Storage Bin	Hoshizaki	B500SF	1	KES	KES				●	
32.3	Icemaker- Filter	Cuno	Bev 190	3	KES	KES			●		
32.4	Ice Maker - Scale Inhibitor	Cuno	CFS440-HT	3	KES	KES			●		
32.5	Ice Maker - Sanitizer	RGF	IMSB	2	TUV	GC	●				Refer To Installation Guide. When Installed At Utensil Counter, Mount Below Counter In Accessible Location. Refer To Plumbing Drawings.
32A	Ice Maker For B.O.H. Ice Bin (Shorter)	Hoshizaki	KML-700MRJZ	1	KES	KES	●		●		Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant.
32C	Ice Maker Mounted On Soda Machine - Air Cooled	Hoshisaki	KMD-530MAJZ	1	KES	KES	●		●	●	Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant.
32D	Ice Maker Mounted On Soda Machine - Remote Air Cooled	Hoshisaki	KMD-530MRJZ	1	KES	KES	●		●	●	Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant.
33	Walk In Cooler 9x12x9 -6ft 3in - Standard	Manitowoc	KAMC46-141-1EC-PCL-4	1	WCS	GC	●			●	Refer To Plumbing and Mechanical Drawings; Refrigeration By Tenant; Remote Exterior Compressor Unit To Be Secured To Roof Per Code By GC
34	Walk-In Cooler Shelving System - 9x12x10	Cambro (Camshelving)	CHP912ER	1	KES	KES					
35.4	Dry Storage Racks 23x192x85in	Varies	Custom	1	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall.
37	Mop Sink Faucet	T&S	B-0660-BSTR	1	KES	GC			●		
37.1	Mop Sink Chemical Faucet	T&S	B-2345-01-XX	1	KES	GC			●		GC To Provide Connection For Chemical Dispensing Equipment
38	6 Shelves - Chemical Storage Rack	Amco	CHPCS85	1	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall.
39B	DML 2.0 130in – Right – W/POS & Cash Drawer	Franke/Delfield	DML 2.0_RT-130x39	1	KES	KES	●			●	
39B.1	DML 2.0 Wall Trim Package	Franke/Delfield	DML 2.0 Trim Kit	1	KES	KES					
40D	Holding Shelf	Trimark	TGS-39X20X80-B	1	KES	KES	●				
40F	M4.5 - Filler Stand At Range	Select Stainless	24x32x36	1	KES	KES					
41.5	DML 2.0 Shelving - 130in - Top Shelf	Franke/Delfield	CH000A32	1	KES	KES					Mount Bottom Of Shelf At 74 1/2" AFF. Provide Plywood Blocking To Mount To Wall.
41.6	DML 2.0 Shelving - 130in - Bottom Shelf	Franke/Delfield	CH000A34	1	KES	KES					Mount Bottom Of Lowest Portion Of Shelf At 54 1/2" AFF. Provide Plywood Blocking To Mount To Wall.
42	Shelving System Under Counter Beverage Station	ISS	WST1810CLR	1	KES	KES					Mounted on (4) casters, All casters to be swivel type, Front (2) casters to have brake, Located under utensil counter
43	Beverage Cooler Backbar 36in	Glasstender	LP36X-SS(X)	1	KES	KES	●				
50	Food Processor	Sammic	CA-31	1	KES	KES					
55	Filler Table - 24x34in	Trimark	TS-24x34x36-US-C	1	KES	KES					
56	Beverage Table - Fast Lane	Trimark	TS-36x92.5x36	1	KES	GC	●			●	
61D	Dish Machine (w/Pump & Ventless)	Hobart	AM16VLSCB (w/Ventless Kit)	1	KES	KES	●		●	●	
62B	Dish Table 30x30	Babington Technology	CDT-30X30X36.5-B-L	1	KES	GC					
65	Utility Cart (Not Shown)	Select Stainless	30SU-22-14-C4-TUBS-CUSTOM	1	KES	GC					Provided As Part Of The WIC Shelving
66A	Drop-Off Table - 29x30in	Trimark	TS-29x30x31-US-C	1	KES	KES					
67	Refrigerated Counter Case, Self-Serve	Structural Concepts	CO3324R-UC	1	KES	KES					
69B	M4.0 - Simplicity Bubbler Mini-Quad	Crathco	CS-4E-16	1	KES	GC	●				
70	Speed Fill Faucet	T&S	B-0432 MOD	1	KES	GC			●		
71	Quesadilla Press	Turbochef	Sota Touch	1	KES	KES	●				
73A	50" TurboChef Table	Trimark	50X36X36	1	KES	KES					
74	Shelving - Under Counter - 12x36x29in	Metro	Custom	1	KES	KES					

MISC. EQUIPMENT LIST

TAG	DESCRIPTION	QTY	FURNISHED BY	INSTALLED BY	UTILITY ELEC	UTILITY GAS	UTILITY WATER	UTILITY SEWER	REMARKS
1	Point of Sale Display	1	TMS	GC					Installed at POS Station
2	Point-Of-Sale System	2	T	TCC					Coordinate Requirements With Tenant and Elec. Drawings
4A	B-Rate (Standard Safe)	1	TS	GC					Install in Office, Bolt to Office Floor Slab
4C	Smart Safe	1	TSS	TSS	●				To Be Installed On Curb Under Serveline, Bolt to Curb Under Serveline POS
5B	Soda Dispenser - With Air-Cooled Ice Maker	1	SPS	SPS	●			●	Drain to Floor Sink, Tenant Millwork Supplier to Provide (2) Adjustable Legs to Support Dispenser From Under The Utensil Counter
5C	Soda Dispenser - With Remote Air-Cooled Ice Maker	1	SPS	SPS	●			●	Drain to Floor Sink, Tenant Millwork Supplier to Provide (2) Adjustable Legs to Support Dispenser From Under The Utensil Counter
6	Soda System Syrup Rack with Carbonator on Stainless Steel Shelf	1	SPS	SPS	●		●		
7A	Bulk CO2 Tank	1	CO2	CO2	●				GC To Secure Cylinders To Wall With Grade 30 Galvanized Steel Chain At 2/3 The Height Of The Cylinder. Attach To Wall With Stainless Steel Quick Link And Screw Eye.
8A	Gas Tankless Water Heater	2	GC	GC		●	●	●	Drain Water Heater To Floor Drain, RE: Mech.
9	Mop Sink, See Plumbing Drawings	1	GC	GC			●	●	See Plumbing Drawings
10	Touch-Free Soap Dispenser	4	WA	GC					
10.1	Hand Sanitizer Dispenser	5	WA	GC					
10.2	Hand Sanitizer Stand	1	WA	GC					
11	Paper Towel Dispenser, Bobrick B262	4	WA	GC					Provide Plywood Blocking to Mount to Wall
12	First Aid Kit	1	T	GC					Confirm Location With Chipotle CM Prior To Installation
13C	M4.0 - Artwork Panel - Carved Rice Board	1	TAS	GC					Provide Plywood Blocking to Mount to Wall
14	License Frame	1	T	GC					Provide Plywood Backing In Wall At License Frame Location, Refer To Arch. Floor Plans And Elevations For License Frame Location.
16A	Fire Extinguisher Type ABC - B456	2	GC	GC					Mount in locations specified by the Fire Marshal. Provide plywood backing at specified locations.
16B	Fire Extinguisher Type K	1	GC	GC					Mount in locations specified by the Fire Marshal. Provide plywood backing at specified locations.
17	Window Shades	12	WS	WS					See Sheet A130 For Location & Size (When Used)
19	Hat & Coat Strips (Not Shown)	1	WA	GC					Provide Plywood Blocking to Mount to Wall
20	2-Drawer File Cabinet, By Tenant	1	T	T					By Tenant
23	Backflow Preventer	1	GC	GC			●	●	See MEP Sheets for Details
24	iPAD Wall Station	2	T	GC	●				Tablet By Tenant, Refer to Electrical Drawings
28	Mop Strip (Not Shown)	1	T	GC					Provide Plywood Backing To Mount To Wall, 2 Hole At Mop Basin and 6 Hole In Kitchen
31A	21inx31in Menu System	1	TMB	GC					
32	CO2 Alarm	1	CO2AS	GC	●				Refer to Electrical Drawings for Additional Details.
33A	M4.0 - Pick-Up Sign - Single Faced - Flush Mounted - Face	1	TSV	GC					

FURNITURE LIST

TAG	DESCRIPTION	QTY	FURNISHED BY	INSTALLED BY	UTILITY ELEC	UTILITY GAS	UTILITY WATER	UTILITY SEWER	REMARKS
1E	M4.0 - Table 24x24in - Rectangular Base	2	TMS	GC					
1F	M4.0 - Table 24x42in, Rectangular Base (Accessible)	4	TMS	GC					See Detail On A130
1H	M4.0 - Community Table - Low - Window - Length Varies	2	TMS	GC					
2G.1	M4.0 - Bar Height Table 8-Top, With Footrest	1	TMS	GC					One Coat Hook Per Two Seats, Confirm Mounting Location With Shop Drawings
3C.1	M4.0 - Dining Room Chair	17	TMS	GC					
3D	M4.0 - Marshmallow Stool - Fixed	7	TMS	GC					Align Seat With Seam Perpendicular To Table Edge
3E	M4.0 - Bar Stool - Fixed	8	TMS	GC					Align Seat With Seam Perpendicular To Table Edge
4P.1	Banquette Bench (Black) - Floor Mount	1	TMS	GC					
6C	M4.0 - Beverage Counter - With Trash - 4" Splash - 149"	1	TMS	GC				●	Coordinate Floor Drain Installation with Utensil Counter Installation, Bins Provided by Tundra in Smallwares Package
10	Child's High Chair	1	T	GC					
11	Office Chair, By Tenant	1	T	T					By Tenant
12	Patio Chair - Bistro	16	KES	GC					Provided by EMU America, Contact: Carol Hughes (303-744-3200)
13B	30in Square Bistro Table	3	KES	GC					Provided By EMU America, Contact: Carol Hughes (303-744-3200)
13C	32in Round Bistro Table	1	KES	GC					Provided By EMU America, Contact: Carol Hughes (303-744-3200)
14A	3 Bin Trash/Recycling Surround - Exterior	1	TMS	GC					Bins Provided by Tundra in Smallwares Package
14C	M4.0 - 3 Bin Trash/Recycling Surround - Interior	1	TMS	GC					Bins Provided by Tundra in Smallwares Package
15	Patio Umbrella	2	KES	GC					
16	Accessible Patio Table	1	KES	GC					Provided By EMU America, Contact: Carol Hughes (303-744-3200)
17A.2	MOPUS Shelving - 44"	1	TMS	GC					GC To Provide Blocking In Walls At The Ends Of The MOPUS Shelf To Secure Shelves, Wood Edge Of The Shelves To Face The Dining Room

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO. 2023-0144
DRAWN BY KDRB
CHECKED BY DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

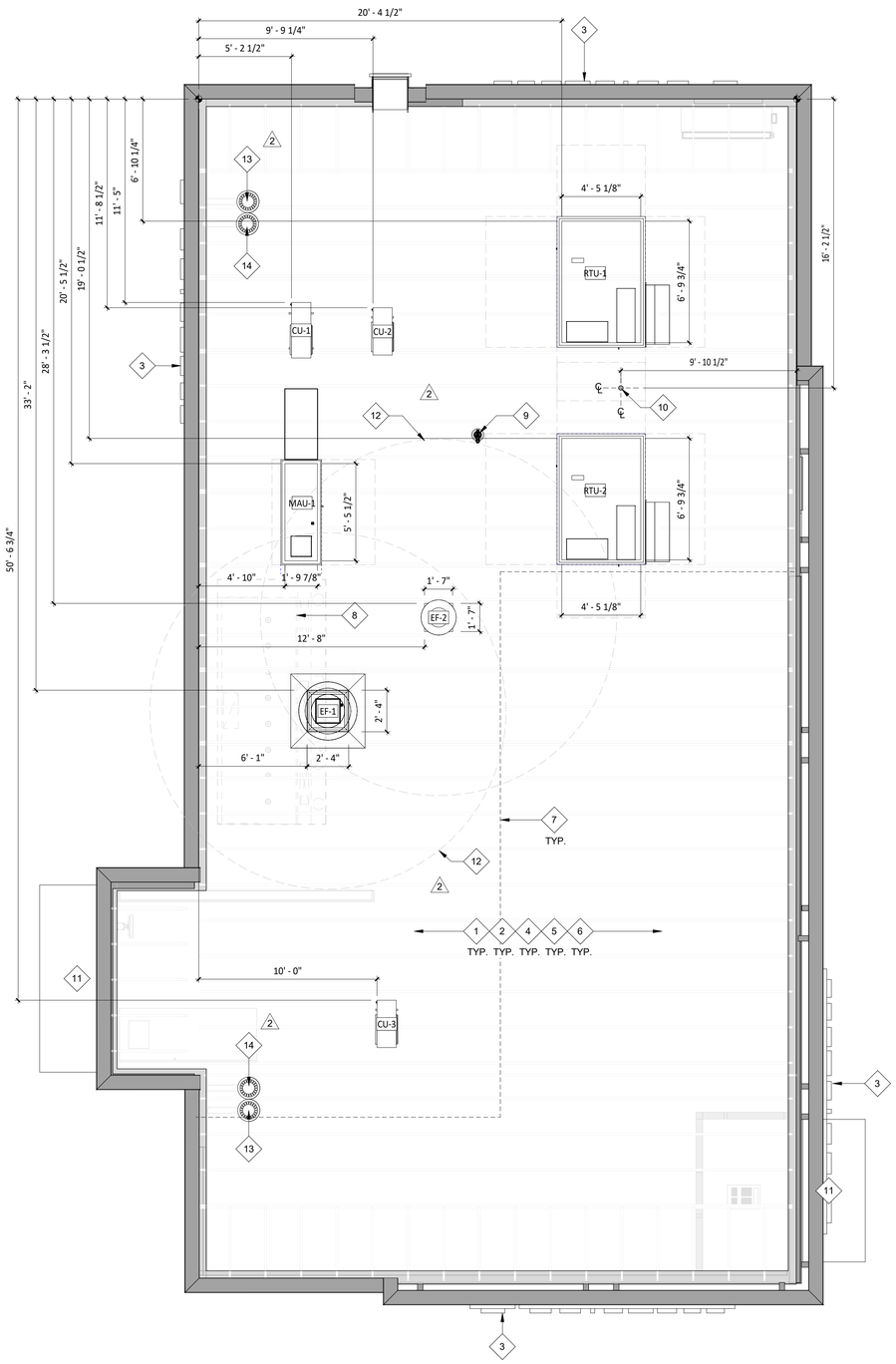
REVISIONS:

TITLE:

FF&E SCHEDULES

SHEET NUMBER:

A131



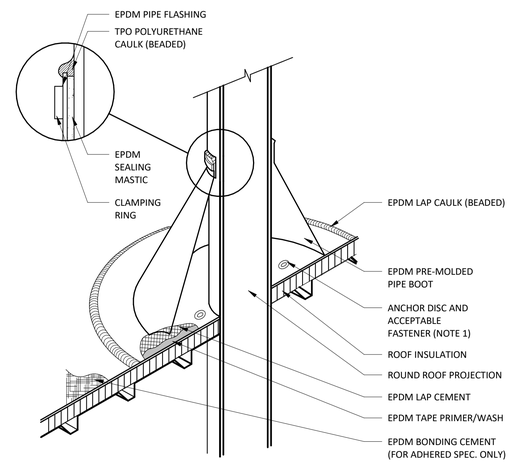
1 ROOF PLAN

SCALE: 1/4" = 1'-0"

N

HVAC EQUIPMENT

DESCRIPTION	FURNISHED BY	INSTALLED BY	UTILITY				REMARKS
			ELEC	GAS	WATER	SEWER	
Exhaust Fans & Curbs	HS	GC	●				Curb furnished by HS, installed by GC
Make Up Air Unit & Curbs	HS	GC	●	●	●	●	Curb furnished by HS, installed by GC
Roof Top Units & Curbs	HES	GC	●	●	●	●	Curb furnished by HS, installed by GC
Test & Balance System	TAB	-					Furnish HVAC Test & Balance per Tenant's National Account Program.

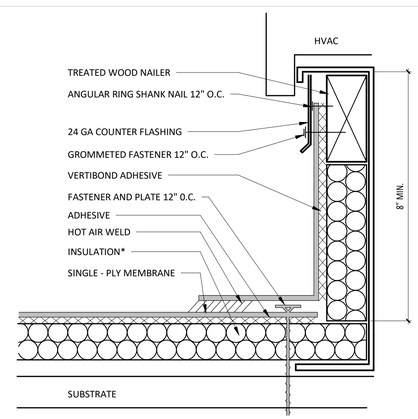


NOTE:

1. WITH MECHANICALLY FASTENED OR BALLASTED SPECIFICATIONS, MEMBRANE MUST BE MECHANICALLY ATTACHED WITH 2" (50 mm) ANCHOR DISC AND ACCEPTABLE FASTENERS (MINIMUM OF 4 PER PIPE).
2. DO NOT OVERLAP THE FLANGES FROM ADJACENT PIPE FLASHINGS.
3. ANY SEAM UNDER BOOT FLANGE TO BE TREATED AS T-JOINT.
4. BOTH SURFACES TO BE MATED MUST BE CLEANED WITH TAPE PRIMER/WASH. EPDM TAPE PRIMER/WASH MUST BE COMPLETELY DRY AND TACK FREE BEFORE APPLYING EPDM LAP CEMENT.

2 BOOT DETAIL

SCALE: 1/2" = 1'-0"



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. USE PREFABRICATED OUTSIDE CORNERS.
4. INSULATION MUST BE SECURELY FASTENED.
5. *GLASS - FACED POLYISO INSULATION IS OPTIONAL AND MAY NOT BE REQUIRED ON EVERY PROJECT. IF INSULATION IS NOT REQUIRED, THE MEMBRANE MUST BE ADHERED TO AN APPROVED SURFACE.

3 CURB FLASHING

SCALE: 1/2" = 1'-0"

GENERAL NOTES - ROOF PLAN

A. SEE STRUCTURAL DRAWINGS FOR LOCATIONS AND SIZE OF STRUCTURAL ROOF REINFORCEMENTS.
B. SEE MECHANICAL PLANS FOR ROOF TOP EQUIPMENT.
C. COORDINATE ALL ROOF PENETRATIONS, FLASHING, AND REPAIR W/ CHIPOTLE CONSTRUCTION MANAGER PRIOR TO COMMENCEMENT OF WORK .
D. DIMENSIONS FOR ROOF TOP EQUIPMENT WITH CURBS IS TO THE OUTSIDE FACE OF CURB. DIMENSIONS FOR EQUIPMENT WITHOUT CURBS ARE TO THE CENTER OF THE UNIT. ALL DIMENSIONS ARE FOR REFERENCE ONLY. ROOFING CONTRACTOR TO ADJUST AS NECESSARY IN FIELD. CONTACT ENGINEERING CONSULTANTS FOR ANY MAJOR MODIFICATIONS TO LAYOUT.
E. JOISTS FOR SHELL BUILDING WERE DESIGNED FOR THE RTU WEIGHTS AND PLACEMENT EXHIBITED. IF LOCATION OR ORIENTATION OF A UNIT MUST CHANGE, NOTIFY ARCHITECT IMMEDIATELY.
F. SEE M700 FOR PENETRATION DETAILS AT RTUS AND THE EXHAUST FAN.
G. PROVIDE INSULATED CURBS FOR ALL EQUIPMENT IN EXPOSED DECK AREA ONLY.
H. PROVIDE TAPERED INSULATED CRICKET AT ALL EQUPMENT CURBS.
I. LOCATE ALL UNITS SO DUCT DROPS BETWEEN TRUSS JOISTS. NOTIFIY ARCHITECT IMMEDIATELY IF ANY UNITS NEED TO SHIFT FROM PLAN LOCATION SHOWN.

KEYNOTE LEGEND

1	EXISTING FULLY ADHERED EPDM ROOFING SYSTEM AND RIGID INSULATION - PATCH AND REPAIR AS REQUIRED - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2	EXISTING WOOD JOISTS BELOW SHOWN FOR REFERENCE ONLY - REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3	SIGNAGE BY TENANTS VENDOR - GENERAL CONTRACTOR TO PATCH AND REPAIR ADJACENT WALL AS REQUIRED FOR SIGN INSTALLATION - GENERAL CONTRACTOR TO COORDINATE SIGNAGE PENETRATIONS WITH SIGNAGE VENDOR.
4	ALL ROOF PENETRATIONS, INCLUDING MINOR ROOF VENTS AND SIMILAR ITEMS, MAY NOT BE INDICATED ON PLAN - GENERAL CONTRACTOR TO VERIFY AND COORDINATE SCOPE SO AS TO INDICATE ALL ROOFING AND FLASHING WORK SO AS TO OBTAIN AND/OR MAINTAIN EXISTING ROOFING WARRANTIES.
5	LOCATIONS OF ALL ROOF PENETRATIONS ARE TO BE VERIFIED WITH APPROPRIATE SUBCONTRACTOR.
6	GENERAL CONTRACTOR TO CLEAN ROOF OF ALL CONSTRUCTION DEBRIS AT PROJECT COMPLETION.
7	HIDDEN LINE INDICATES SOFFIT LOCATION BELOW IN WHICH TERMINATES TO UNDERSIDE OF EXISTING DECK.
8	DASHED LINE INDICATES LOCATION OF HOOD SYSTEM BELOW.
9	ROOF HYDRANT - REFER TO PLUMBING FOR ADDITIONAL INFORMATION.
10	THROUGH-ROOF CONDUIT FOR CELL BOOSTER, REFER TO ELECTRICAL DRAWINGS.
11	CANOPY BELOW - REFER TO EXTERIOR ELEVATIONS.
2 12	10'-0" RADIUS CLEARANCE FOR FRESH AIR INTAKES - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13	OVERFLOW ROOF DRAIN LOCATION - GENERAL CONTRACTOR IS RESPONSBLE OF SNAKE CLEANING PRIOR TO BUILDING TURNOVER.
14	PRIMARY ROOF DRAIN LOCATION - GENERAL CONTRACTOR IS RESPONSBLE OF SNAKE CLEANING PRIOR TO BUILDING TURNOVER.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

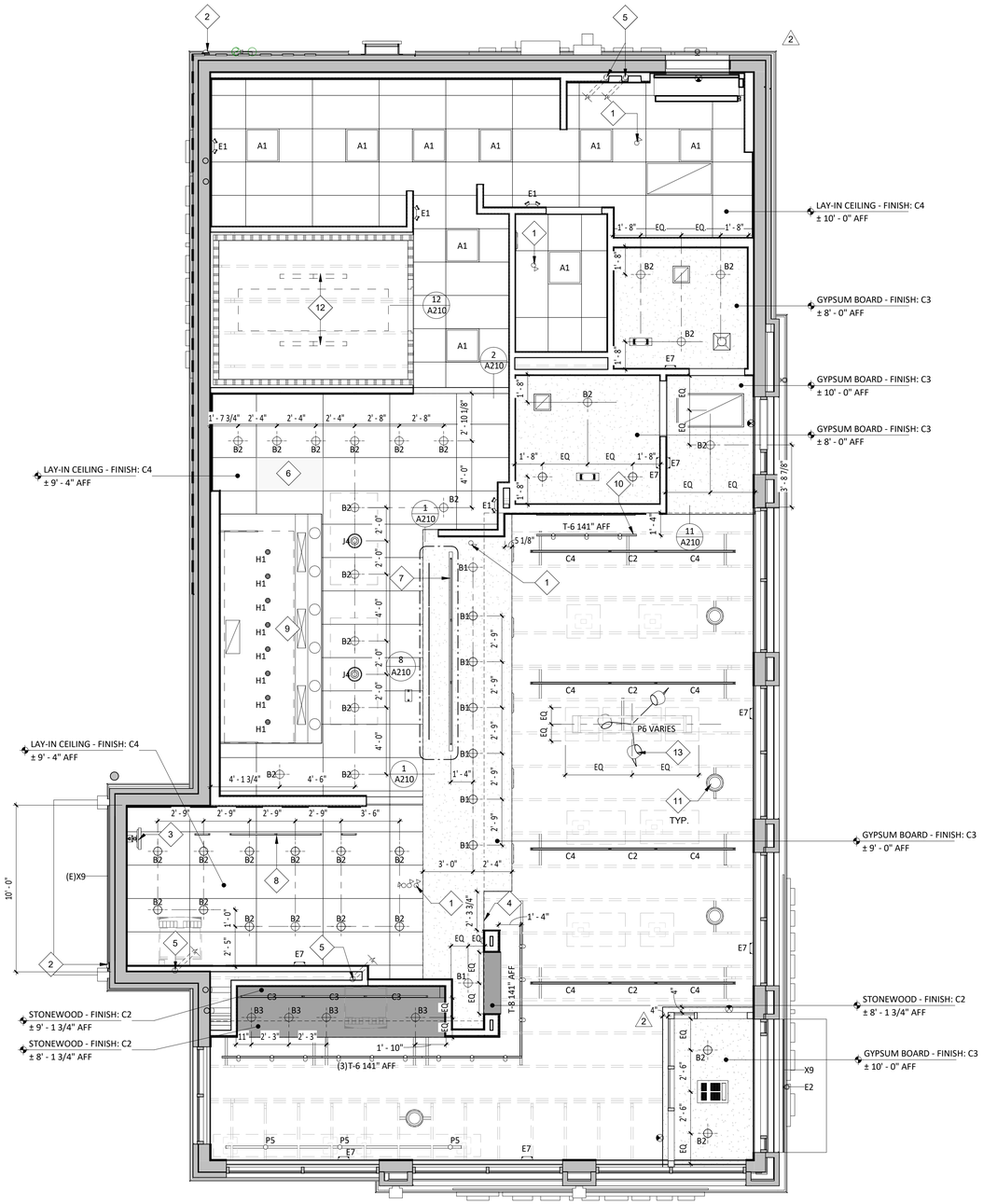
2	06/04/2024	BID SET UPDATES

TITLE:

ARCHITECTURAL ROOF PLAN

SHEET NUMBER:

A140



NOTE:
ALL DIMENSIONS TO EXTERIOR OR EXISTING WALLS ARE TO THE FINISH FACE OF THE EXISTING GYP. BD.

NOTE: PLYWOOD DECK AND WOOD TRUSSES ARE EXPOSED IN THE DINING AREA AND NEED TO BE FREE AND CLEAR OF MARKINGS

1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

N

LIGHTING FIXTURE SCHEDULE

ITEM #	MOUNT	DESCRIPTION	REMARKS
EXISTING			
(E)X9	SURFACE	LED CHANNEL LIGHT BY LANDLORD	SEE SHEET E100
NEW			
A1	LAY-IN	2x2 LED LENSED TROFFER	SEE SHEET E100
B1	CEILING	RECESSED 6IN CAN LIGHT	SEE SHEET E100
B2	CEILING	RECESSED 6IN CAN LIGHT	SEE SHEET E100
B3	CEILING	M4.0 - RECESSED 6IN CAN LIGHT (BLACK)	SEE SHEET E100
C0	SURFACE	LOW PROFILE LED 1FT	SEE SHEET E100
C1	SURFACE	LOW PROFILE LED 2FT	SEE SHEET E100
C2	SURFACE	LOW PROFILE LED 3FT	SEE SHEET E100
C3	SURFACE	LOW PROFILE LED 4FT	SEE SHEET E100
C4	SURFACE	LOW PROFILE LED 5FT	SEE SHEET E100
C7-2	SURFACE	LED CHANNEL LIGHT	SEE SHEET E100
E1	VARIOUS	EMERGENCY LIGHT - DUAL HEAD	SEE SHEET E100
E4	VARIOUS	WHITE EXIT LIGHT - STANDARD RED LETTERS	SEE SHEET E100
E7	VARIOUS	EMERGENCY LIGHT - DUAL HEAD	SEE SHEET E100
G4	POLE	PATIO LIGHT POLE	SEE SHEET E100
H1	SURFACE	VAPOR PROOF HOOD LIGHT	SEE SHEET E100
H2	RECESSED	LED HOOD LIGHT	SEE SHEET E100
J4	PENDANT		SEE SHEET E100
P5	PENDANT		SEE SHEET E100
P6 VARIES	PENDANT	M4.0 - MULTI-PENDANT LIGHT	SEE SHEET E100 & A701
T1	TRACK	TRACK LIGHTING HEAD	SEE SHEET E100
T-6	SUSPENDED	M4.0 - TRACK 6'	SEE SHEET E100
T-8	SUSPENDED	M4.0 - TRACK 8'	SEE SHEET E100
X9	SURFACE	LED CHANNEL LIGHT	SEE SHEET E100

GENERAL NOTES - RCP

A. ALL INTERIOR LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER.
B. ALL INTERIOR LIGHT FIXTURES AND LAMPS INSTALLED BY GC. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
C. KITCHEN EXHAUST HOOD PROVIDED BY HS AND INSTALLED BY GC. GC TO COORDINATE PRESSURE TEST AND VIRO GUARD WITH ENVIROMATIC, INC.
D. ANSUL BOX & FIRE SUPPRESSION SYSTEM PROVIDED BY AND INSTALLED BY HS. HOOD INTERLOCK BY GC. ELECTRICAL CONNECTION BY GC, RE: ELEC.
E. MENU BOARD ASSEMBLY PROVIDED BY TMB, INSTALLED BY G.C.
F. PROVIDE BLOCKING ABOVE MENU BOARD ASSEMBLY FOR INSTALLATION.
G. REFER TO "09900 PAINTING - GENERAL" IN SPECIFICATIONS FOR FINISHES AT EXPOSED CEILING AREAS IN ADDITION TO NOTES LISTED ON THIS SHEET AND A120
H. UNISTRUT TO BE LEFT UNPAINTED. PROVIDE MATCHING CLOSER STRIPS AND END CAPS. CLOSER STRIP TO BE APPLIED TO THE UNDERSIDE OF THE UNISTRUT.
I. ALL HEIGHTS ARE TO BOTTOM OF FIXTURE UNLESS NOTED OTHERWISE.
J. LIGHT DETAILS ARE LOCATED ON SHEET A210. FIXTURE AND LAMP SPECIFICATIONS ARE LOCATED ON E100.
K. ALL UNISTRUT SUPPORTING CEILING ELEMENTS AND/ OR DUCT WORK SHALL NOT CONTAIN ANY ELECTRICAL CONDUIT. ALL ELECTRICAL CONDUIT MUST RUN IN SEPARATE UNISTRUT.
L. ALL UNISTRUT, CONDUIT, SPRINKLER & WATER LINES SHALL BE INSTALLED TO THE BOTTOM OF THE DECK OR AS SHOWN IN DETAILS & LEFT UNPAINTED.
M. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF FIXTURE UNLESS NOTED OTHERWISE.
N. SEE ELECTRICAL DRAWINGS FOR SHATTER RESISTANT LAMP LOCATIONS.
O. ALL EMERGENCY FIXTURES, LIGHTS AND STROBES SHALL BE ALIGNED OR CENTERED ON WALLS.
P. FULL CERAMIC TILE COURSING SHALL TAKE PRECEDENT OVER ANY CEILING/HEADER DIMENSION INDICATED IN THE PLAN, REFER TO A120.
Q. ALL CONDUIT AND PIPE PENETRATIONS OF THE SERVING LINE SOFFIT ARE TO BE HELD TIGHT TO THE DECK. PLEASE CONSULT WITH THE CHIPOTLE CM SHOULD ANY CONFLICTS ARISE.
R. BATT INSULATION TO BE INSTALLED ABOVE THE RESTROOM CEILING.
S. ALL LAY-IN CEILING PENETRATIONS TO BE HELD TIGHT TO WALLS. REFER TO DETAIL ON SHEET A210 AND PLUMBING DRAWINGS FOR DETAILS.
T. REFER TO STRUCTURAL DRAWINGS FOR HOOD SUSPENSION DETAILS.
U. ALL EXTERIOR BUILDING MOUNTED AND PATIO LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER, U.N.O.
V. ALL EXTERIOR PARKING LOT LIGHT FIXTURES AND LAMPS PROVIDED BY AND INSTALLED BY G.C. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
W. ALL EXTERIOR BUILDING MOUNTED AND PATIO LIGHT FIXTURES AND LAMPS INSTALLED BY G.C. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
X. SECURITY CAMERA LOCATIONS ARE ONLY APPROXIMATE LOCATIONS. FOR GUIDANCE ON THE SPECIFIC LOCATION/ORIENTATION OF THESE CAMERAS, REFER TO THE ENVYSION INSTALLATION GUIDE
Y. REFER TO A120 FOR FINISH LEGEND.

KEYNOTE LEGEND ◇

1	INTERIOR SECURITY CAMERA LOCATIONS - TYPICAL SIX (6) - CENTER IN CEILING TILE WHERE APPLICABLE.
2	EXTERIOR SECURITY CAMERA LOCATIONS - TYPICAL OF TWO (2).
3	LOCATION OF MONITOR BY TENANTS VENDOR.
4	HOLD SOFFIT FRAMING SO GYPSUM SOFFIT FINISH DOESN'T OVERLAP WALL FINISH ON BOX BELOW - REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION.
5	4" PVC PIPES STUBBED ABOVE CEILING FOR SODA BUNDLE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
6	PROVIDE FREE AND CLEAR ACCESS TO HOOD AS REQUIRED - GENERAL CONTRACTOR TO COORDINATE WITH ALL TRADES TO MAINTAIN.
7	LINE OF SUSPENDED MENU BOARD SYSTEM.
8	UNDERSHELF TASK LIGHTING - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
9	LIGHTS BY EXHAUST HOOD MANUFACTURER.
10	CENTER TRACK LIGHTING ON ARTWORK.
11	FOUR (4) SPEAKERS - REFER TO SHEET A210 FOR ADDITIONAL INFORMATION.
12	STRIP LIGHTING FOR COOLER PROVIDED BY COOLER MANUFACTURER - GENERAL CONTRACTOR TO PROVIDE ROUGH-IN.
13	CENTER PENDANT LIGHT OVER TABLE BELOW.

SECURITY DEVICE SCHEDULE

DESCRIPTION	QTY	FURNISHED BY	INSTALLED BY	UTILITIES ELEC	GAS	SEWER	WATER	REMARKS
SECURITY MONITOR	1	SSS	SSS	●				
SECURITY ALARM - MOTION DETECTORS	1	T.B.D.	T.B.D.	●				GC RESPONSIBLE FOR COORDINATING SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES (GYP. BD. FINISHES)
72 HR SECURITY DVR	1	SSS	SSS	●				
CLOSED CIRCUIT T.V. CAMERA - OUTDOOR	2	SSS	SSS	●				INSTALL AT 9'-6" U.N.O.
CLOSED CIRCUIT T.V. CAMERA - INDOOR	6	SSS	SSS	●				

SPEAKER SCHEDULE

ITEM #	QTY	DESCRIPTION	COLOR/FINISH	MOUNT	REMARKS
SP1	4	DINING ROOM SPEAKER	BLACK	SUSPENDED	REFER TO A201 & E110 FOR DETAILS

CONDUIT GUIDELINES

SEE ELECTRICAL DRAWINGS FOR CONDUIT REQUIREMENTS. METAL CLAD CABLE AND FLEXIBLE METAL CONDUIT SHALL NOT BE INSTALLED IN AREAS EXPOSED TO VIEW UNLESS SPECIFICALLY NOTED OTHERWISE

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

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Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO. 2023-0144
DRAWN BY KDRB
CHECKED BY DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

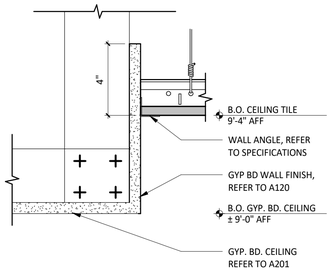
#		
2	06/04/2024	BID SET UPDATES

TITLE:

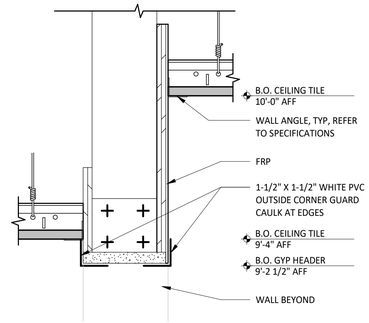
REFLECTED CEILING PLAN

SHEET NUMBER:

A201



1 KITCHEN CEILING TRANSITION
SCALE: 3" = 1'-0"



2 KITCHEN CEILING TRANSITION
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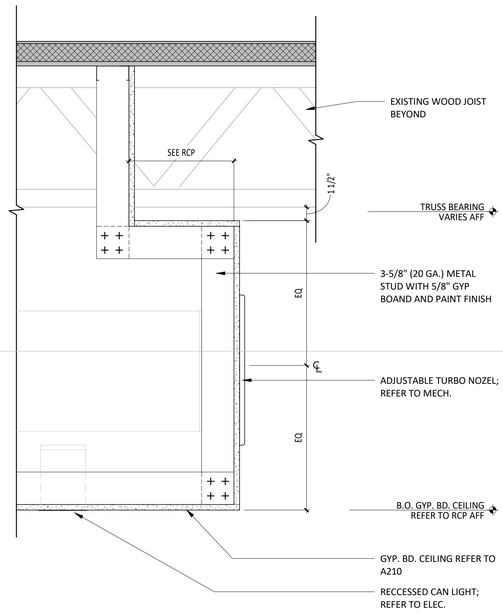
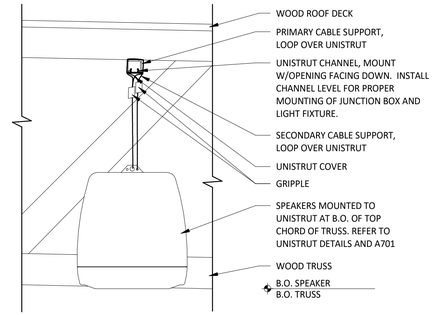
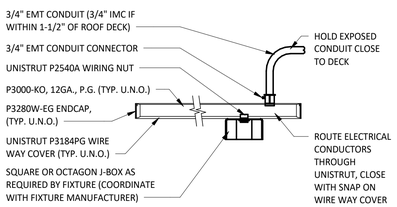


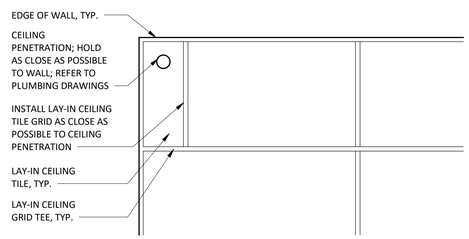
5 SECTION @ JOIST SHELF
SCALE: 1 1/2" = 1'-0"



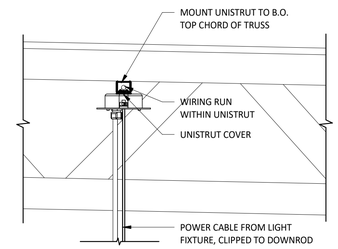
6 SUSPENDED SPEAKER INSTALLATION
SCALE: 1 1/2" = 1'-0"



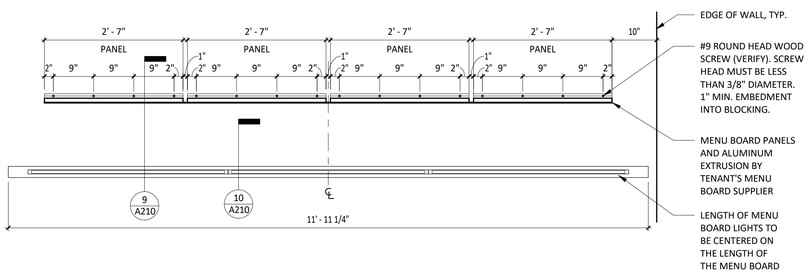
3 UNISTRUT MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"



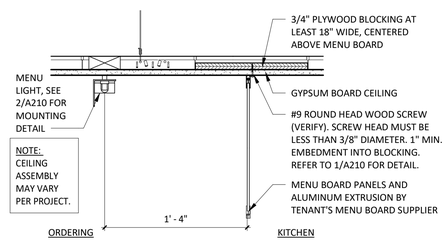
4 LAY-IN CEILING PENETRATION - PLAN DETAIL
SCALE: 3/4" = 1'-0"



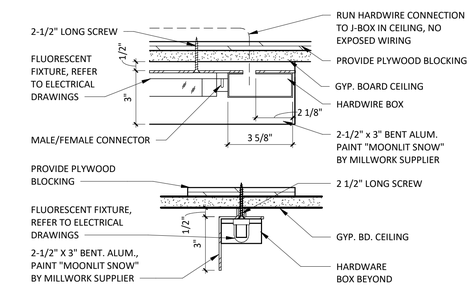
7 TYP. UNISTRUT MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"



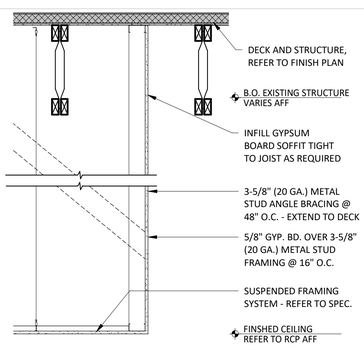
8 MENU - SCREW PATTERN PLAN
SCALE: 3/4" = 1'-0"



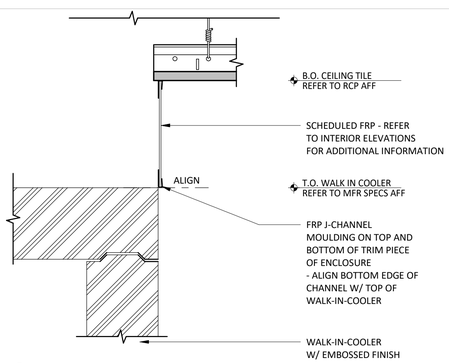
9 MENU BOARD DETAIL
SCALE: 1 1/2" = 1'-0"



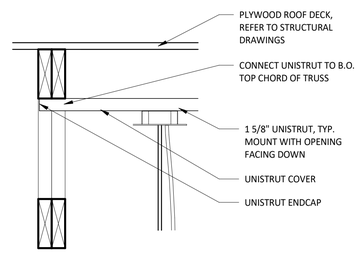
10 MENU BOARD LIGHT DETAIL
SCALE: 3" = 1'-0"



11 SECTION @ SOFFIT
SCALE: 3/4" = 1'-0"



12 KITCHEN CEILING TRANSITION
SCALE: 3" = 1'-0"



13 TYP. UNISTRUT MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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EDEN PRAIRIE, MN 55347

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Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

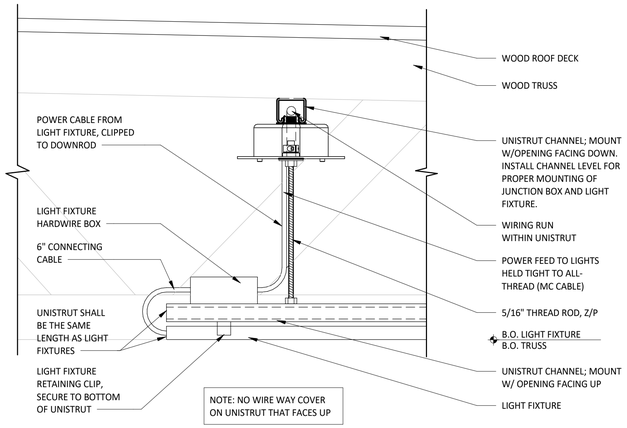
REVISIONS:

TITLE:

CEILING DETAILS

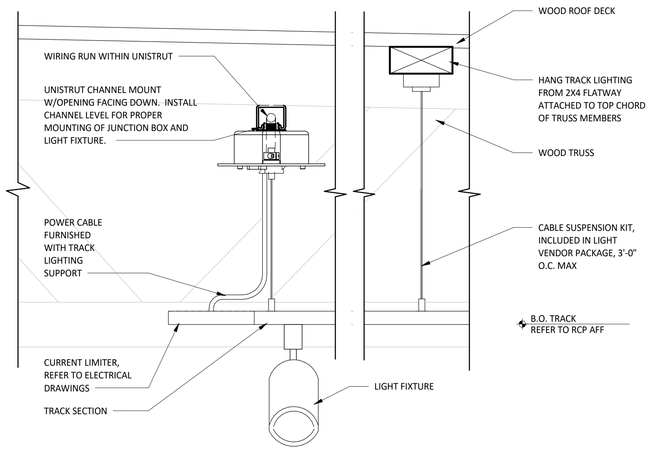
SHEET NUMBER:

A210



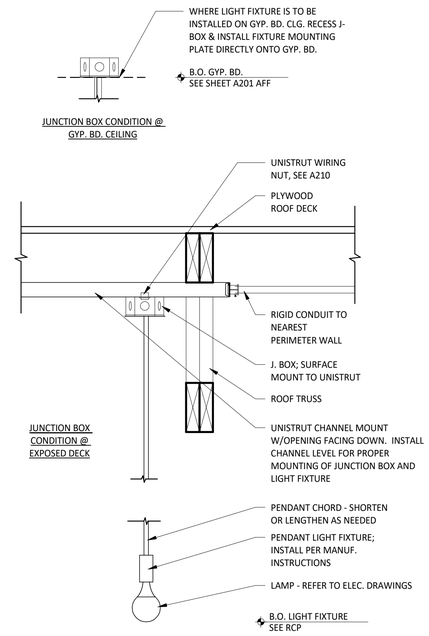
1 SUSPENDED STRIP LIGHT CONNECTION DETAIL

SCALE: 3" = 1'-0"



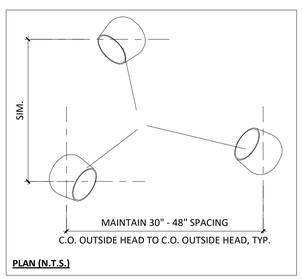
2 SUSPENDED TRACK LIGHT CONNECTION DETAIL

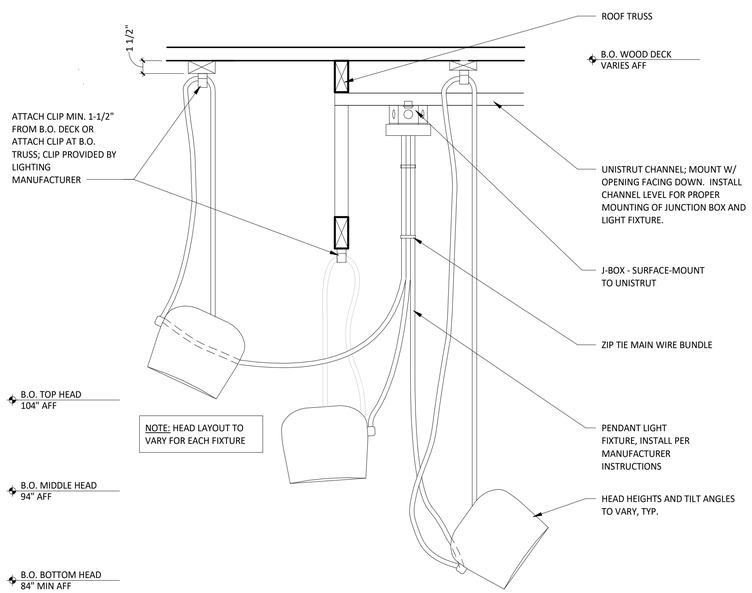
SCALE: 3" = 1'-0"



3 PENDANT LIGHT FIXTURE

SCALE: 1 1/2" = 1'-0"





4 PENDANT LIGHT

SCALE: 1 1/2" = 1'-0"

CONSULTANT:

WILKUS ARCHITECTS

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Matthew M. Wilkus LICENSE # 54678

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CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

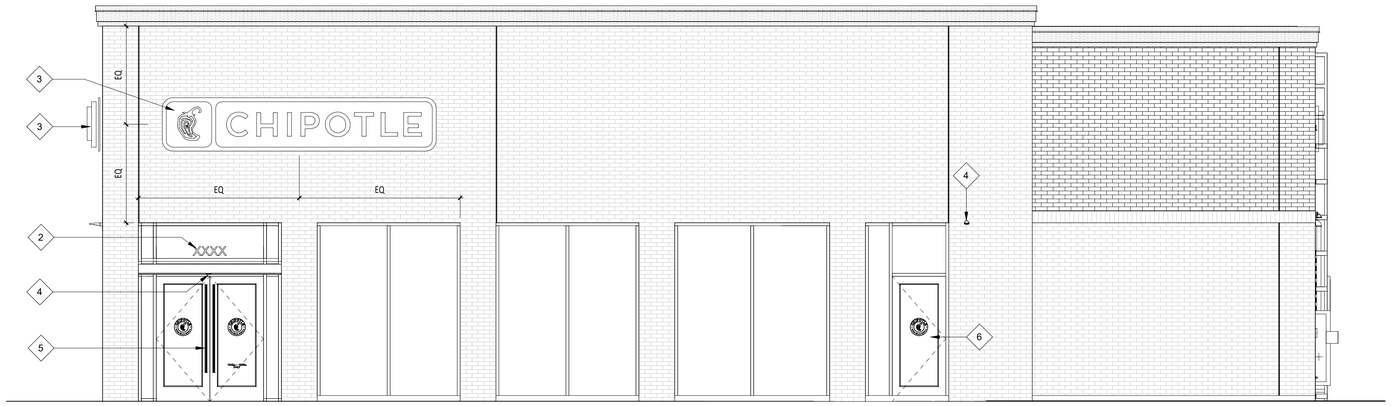
REVISIONS:

TITLE:

LIGHTING DETAILS

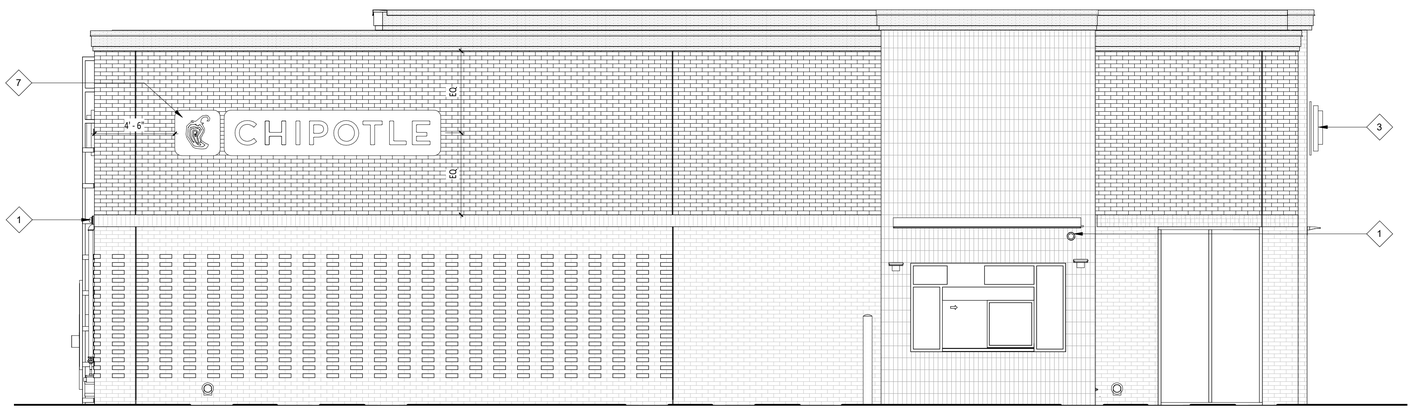
SHEET NUMBER:

A211



1 EXTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

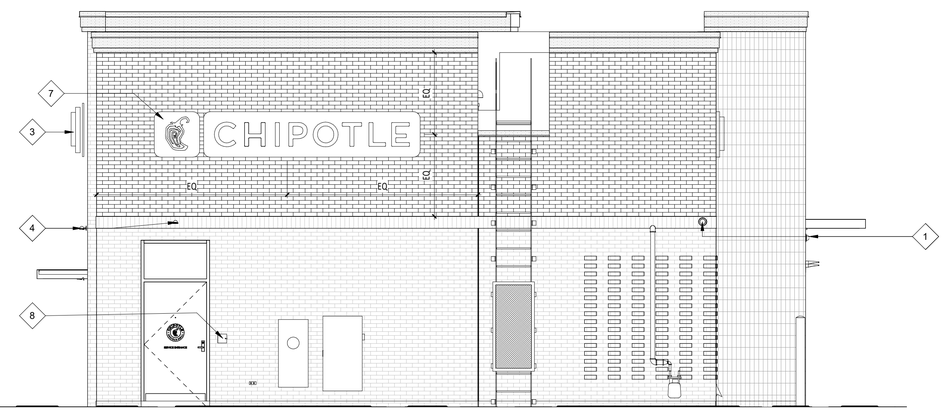


2 EXTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

3 EXTERIOR ELEVATION

SCALE: 1/4" = 1'-0"



4 EXTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

GENERAL NOTES - EXT. ELEV.

A. SIGNAGE IS SHOWN ONLY FOR PLACEMENT AND SCALE. ALL SIGNAGE FOR REVIEW UNDER SEPARATE PERMIT, NOT PART OF THIS PERMIT SET.

B. EXTERIOR SIGNAGE PROVIDED BY TSV AND INSTALLED BY TSV. GC TO MAKE FINAL CONNECTION.

KEYNOTE LEGEND

1	LOCATION OF SECURITY CAMERAS TO BE INSTALLED BY GENERAL CONTRACTOR.
2	6" VINYL ADDRESS LETTERS - COORDINATE ADOPTED REQUIREMENTS ON SIZE AND LOCATION WITH LOCAL JURISDICTION.
3	LOCATION OF TENANTS BW-3 SIGNAGE - GENERAL CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR.
4	EMERGENCY LIGHT, BY LANDLORD.
5	6'-0" PREFINISHED ALUMINUM WIDE STILE STOREFRONT DOORS (BY LANDLORD), WOOD HANDLE PROVIDED BY TENANT MILLWORK SUPPLIER (BY CHIPOTLE)
6	3'-0" PREFINISHED ALUMINUM WIDE STILE STOREFRONT DOORS, LED LIGHTING ABOVE DOOR (BY LANDLORD)
7	LOCATION OF TENANTS B-3 SIGNAGE - GENERAL CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR.
8	LOCATION OF REMOTE CO2 FILLER - INSTALL BETWEEN 36" AND 48" ABOVE FINISHED GRADE - VERIFY LOCATION WITH CHIPOTLE CONSTRUCTION MANAGER.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

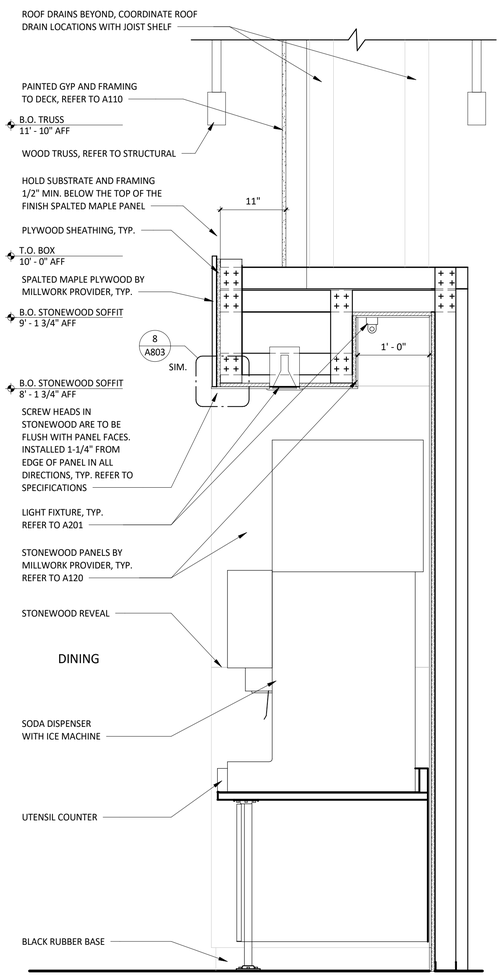
REVISIONS:

TITLE:

EXTERIOR ELEVATIONS

SHEET NUMBER:

A301



1 UTENSIL SECTION

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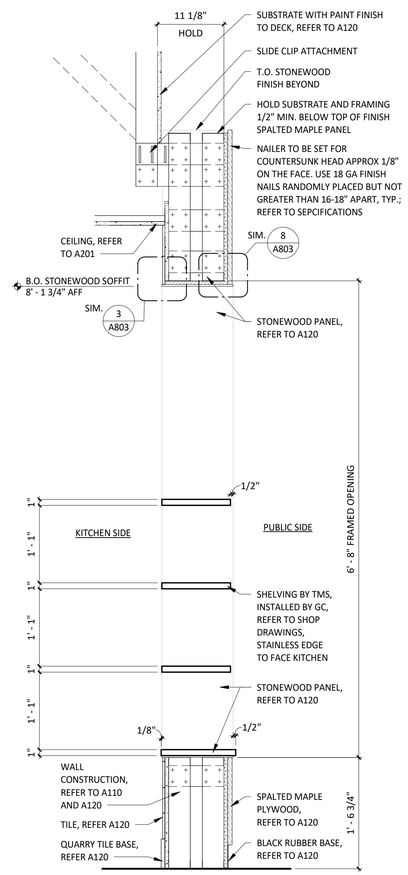

2 MOPUS SECTION - PASS THRU

SCALE: 1" = 1'-0"

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:

INTERIOR SECTIONS

SHEET NUMBER:

A502

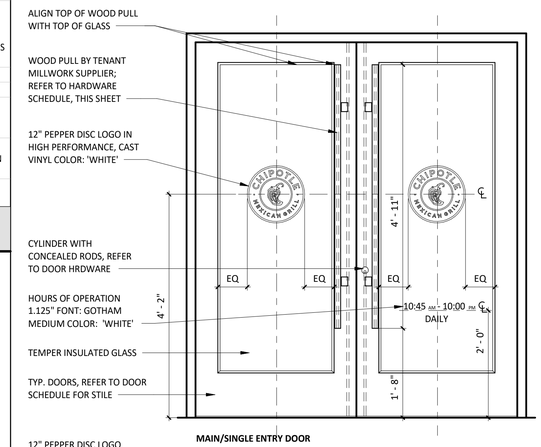
DOOR SCHEDULE

TAG	ROOM	DOOR STATUS *	FRAME STATUS	DOOR DESCRIPTION	DOOR WIDTH	HEIGHT	THICKNESS	DOOR TYPE	DOOR FINISH	FRAME TYPE	MATERIAL	STILE	HARDWARE SET	HARDWARE STATUS*	FIRE RATING	REMARKS
1	MAIN ENTRY	EXISTING	EXISTING	DOUBLE STOREFRONT (WIDE STILE, WOOD PULL/PUSH)	6' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	1	EXISTING/NEW	-	1,2,4,5
2	PASSAGE	EXISTING	EXISTING	SINGLE STOREFRONT (WIDE STILE, NON-OFFSET, PANIC)	3' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	2A	EXISTING	-	1,3,4,5
3	KITCHEN	EXISTING	EXISTING	HM REAR KITCHEN (STANDARD)	3' - 6"	7' - 0"	0' - 1 3/4"	D	D1/D2 (SEE A120)	2	H.M.	-	3	EXISTING	-	1,4,7
4	OFFICE	NEW	NEW	MANAGER'S OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	C	D1 (SEE A120)	1	H.M.	-	4	NEW	-	
5	UNISEX 1	NEW	NEW	UNISEX 1 RESTROOM (SINGLE-OCCUPANT, STANDARD)	3' - 0"	7' - 0"	0' - 1 3/4"	B	D1 (SEE A120)	1	H.M.	-	6	NEW	-	
6	UNISEX 2	NEW	NEW	UNISEX 1 RESTROOM (SINGLE-OCCUPANT, STANDARD)	3' - 0"	7' - 0"	0' - 1 3/4"	B	D1 (SEE A120)	1	H.M.	-	6	NEW	-	
7	MAIN ENTRY	NEW	NEW	SINGLE STOREFRONT - VESTIBULE (WIDE STILE, NON-OFFSET)	3' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	2D	NEW	-	
8	MAIN ENTRY	NEW	NEW	SINGLE STOREFRONT - VESTIBULE (WIDE STILE, NON-OFFSET)	3' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	2D	NEW	-	

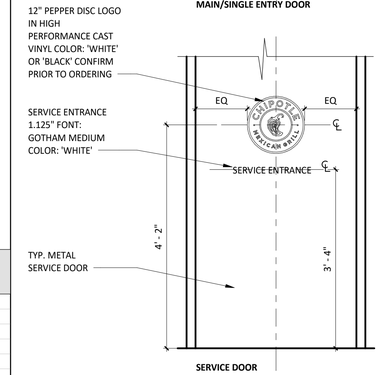
DOOR REMARKS

1. DOORS WITH REMARK #1 TO BE KEYED THE SAME
2. EXIT INDICATOR ARRIVES WITH SIGNS STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" AND "THIS DOOR TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED". VERIFY REQUIRED SIGN WORDING WITH LOCAL JURISDICTION PRIOR TO INSTALLATION. ONE SIGN IS TO BE PLACED IN A VISIBLE LOCATION ABOVE THE DOORS.
3. THERE IS TO BE NO EXTERIOR HOLE OR CYLINDER
4. USE NON-SHRINK STRUCTURAL GROUT BED UNDER THRESHOLD
5. BLACK DOOR SWEEP TO BE USED WITH CHARCOAL STOREFRONT. LIGHT GRAY DOOR SWEEP TO BE USED WITH CLEAR ANODIZED ALUMINUM STOREFRONT
6. IF STATUS IS "EXISTING" G.C TO DETERMINE CONDITION OF EXISTING HADWARE. IF HARDWARE IS IN POOR CONDITION, PROVIDE HARDWARE IN HARDWARE SCHEDULE. CONFIRM REPLACEMENT WITH CHIPOTLE CM.
7. REAR KITCHEN DOOR TO BE PAINTED 'BLACK' ON INTERIOR AND 'KNIGHTS ARMOR' ON EXTERIOR U.N.O.

TYPICAL EXTERIOR DOOR TYPES



MAIN/SINGLE ENTRY DOOR



SERVICE DOOR

EXISTING HARDWARE SETS

G.C. TO CONFIRM ALL REQUIRED EXSITING HARDWARE IS PRESENT AND IS IN WORKING CONDITION. IF HARDWARE IS IN POOR CONDITION OR MISSING, PROVIDE HARDWARE IN HARDWARE SCHEDULE BELOW; CONFIRM REPLACEMENT WITH CHIPOTLE CM.

SET 1 - MAIN ENTRY - PAIR - WOOD PULL/PUSH

(2)	HINGE	HAGER, MODEL 780-224HD-83"-CLR
(2)	MORTISE CYLINDER	SCHLAGE, MODEL 80-103, BRUSHED CHROME; C.O. CYLINDER AT 34" MIN. FROM BOTTOM OF DOOR
(2)	TEMP CORE	SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE, (BRUSHED CHROME)
(1)	DEADBOLT	ADAMS RITE, MODEL M51850S-310-628
(1)	EXIT INDICATOR	ADAMS RITE, MODEL 4089-00-130
(1)	HEADER BOLT	ADAMS RITE, MODEL 4016-30-01
(1)	THRESHOLD BOLT	ADAMS RITE, MODEL 4015-18-1B
(2)	CLOSER	DORMA, MODEL 8916-AF89P (TOP JAMB), (ALUMINUM)
(2)	DOOR STOP	IVES, MODEL FS18S (ALUMINUM)
(2)	OVERHEAD STOP	GLYNN-JOHNSON, MODEL 454S-SP28 (ALUMINUM)
(2)	CLOSER BACK PLATE	DORMA, MODEL BP89, ALUMINUM
(1)	THRESHOLD	PEMKO, MODEL S239A-72 (SIZE 72")
(2)	SMOKE SEAL	REESE, MODEL 797B-21
(2)	DOOR SWEEP	PEMKO, MODEL SFSC-200-36 (36" DOOR),OWNER FURNISHED

SET 2A - ENTRY - SINGLE - NON-OFFSET - PANIC HARDWARE

(1)	HINGE	HAGER, MODEL 780-224HD-83"-CLR
(1)	PUSH HARDWARE	ADAMS RITE, MODEL 8801-36-628 (ALUMINUM FINISH, 36" DOOR); C.O. EXIT DEVICE AT 38" FROM BOTTOM OF DOOR
(1)	PULL HARDWARE	HAGER, MODEL 4G US32D (8" CTC), CENTER ON DOOR STILE
(1)	CLOSER	DORMA, MODEL 8916-AF89P-689 (TOP JAMB), (ALUMINUM)
(1)	CLOSER BACK PLATE	DORMA, MODEL BP89, ALUMINUM
(1)	OVERHEAD STOP	GLYNN-JOHNSON, MODEL 454S-US32D (ALUMINUM)
(1)	THRESHOLD	REESE, MODEL S424A-36 (SIZE 36")
(1)	SMOKE SEAL	REESE, MODEL 797B-21
(1)	DOOR SWEEP	PEMKO, MODEL SFSC-200-36 (36" DOOR), OWNER FURNISHED
(1)	DOOR STOP	IVES, MODEL FS18S (ALUMINUM)

SET 3 - REAR EXIT - SINGLE

(1)	HINGE	HAGER, MODEL 780-224HD-83"-CLR
(1)	PUSH HARDWARE	FALCON, MODEL 25-R-EO-4'-US28 (SIZE 42")
(1)	PULL HARDWARE	FALCON, MODEL 510L-DANE-LHR-US26D, ALUMINUM (EXTERIOR SIDE)
(1)	RIM CYLINDER	GLS, MODEL RCIC-7-LZ-626
(1)	TEMP CORE	SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE (FINISH: BRUSHED CHROME)
(1)	CLOSER	DORMA, MODEL 8916-AF89P-689 (TOP JAMB), ALUMINUM
(1)	CLOSER BACK PLATE	DORMA, MODEL BP89, ALUMINUM
(1)	THRESHOLD	REESE, MODEL S239A-42, (SIZE 42")
(1)	WEATHERSTRIP	REESE, MODEL DS75C-4070
(1)	DOOR SWEEP	PEMKO, MODEL SFSC-200-42 (42" DOOR) (BLACK) OWNER FURNISHED
(1)	DOOR VIEWER	IVES, MODEL U698B26D, C.O. VIEWER AT 60" FROM BOTTOM OF DOOR
(1)	DOOR SILENCERS	IVES, MODEL SR64
(1)	DOOR BUZZER	TRINE, MODEL 240
(1)	KICKPLATE	HIAWATHA, MODEL KP834-US32D

NEW HARDWARE SETS

SET 1 - MAIN ENTRY - PAIR - WOOD PULL/PUSH

(2)	PUSH HARDWARE	1 1/2" DIAMETER WOOD PUSH, VARIES HIGH - PROVIDED BY MILLWORK SUPPLIER. MOUNT TOP OF PULLS FLUSH WITH TOP OF GLAZING STOP IN DOOR, RE: SHOP DRAWINGS
(2)	PULL HARDWARE	1 1/2" DIAMETER WOOD PULL, VARIES HIGH - PROVIDED BY MILLWORK SUPPLIER. MOUNT TOP OF PULLS FLUSH WITH TOP OF GLAZING STOP IN DOOR, RE: SHOP DRAWINGS

SET 2D - ENTRY - SINGLE - VESTIBULE

(1)	HINGE	HAGER, MODEL 780-224HD-83"-CLR
(1)	PUSH HARDWARE	HAGER, MODEL 30S, 4"X16" US32D STAINLESS STEEL
(1)	PULL HARDWARE	HAGER, MODEL 4G US32D (8" CTC), CENTER ON DOOR STILE
(1)	CLOSER	DORMA, MODEL 8916-AF89P-689 (TOP JAMB), (ALUMINUM)
(1)	DOOR STOP	IVES, MODEL FS18S (ALUMINUM)
(1)	CLOSER BACK PLATE	DORMA, MODEL BP89, ALUMINUM
(1)	KICKPLATE	HIAWATHA, MODEL KP834-US32D (SIZE 8" X 34")

SET 4 - MANAGER'S OFFICE

(3)	HINGE	STANLEY, MODEL FBB179-4.5-US26 (06-8438)
(1)	LOCKSET	SCHLAGE, MODEL L9453L-06A-626
(1)	TEMP CORE	SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE (FINISH: BRUSHED CHROME)
(1)	KICKPLATE	HIAWATHA, MODEL KP834-32D
(1)	DOOR STOP	DON-JO, MODEL 1407-630, STAINLESS STEEL
(3)	DOOR SILENCERS	IVES, MODEL SR64
(1)	SECURITY WINDOW	AIR LOUVERS, MODEL VSL1212TEMPPAK SLIMLINE 12" X 12" X 1/4" LITE KIT (10" X 10" GLASS VISIBLE)

SET 5 - TOILET ROOM 2 RESTROOM - SINGLE OCCUPANT - STANDARD

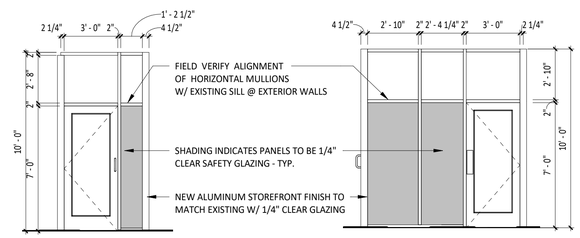
(3)	HINGE	STANLEY, MODEL FBB179-4.5-US26 (06-8438)
(1)	CLOSER	FALCON, MODEL: SC61xRW/PAxALU
(1)	LOCKSET	SCHLAGE, MODEL AL40S-NEP-626
(1)	DOOR STOP	DON-JO, 1407-630
(3)	DOOR SILENCERS	IVES, MODEL SR64
(2)	KICKPLATE	HIAWATHA, MODEL KP834-32D
(1)	COAT HOOK	MILLS, MODEL FT6519, SUPPLIED BY WASHROOM ACCESSORIES VENDOR, MOUNT T.O. HOOK AT 47 1/2" AFF

SET 6 - TOILET ROOM 1 RESTROOM - SINGLE OCCUPANT - STANDARD

(3)	HINGE	STANLEY, MODEL FBB179-4.5-US26 (06-8438)
(1)	CLOSER	FALCON, MODEL: SC61xRW/PAxALU
(1)	LOCKSET	SCHLAGE, MODEL AL40S-NEP-626
(1)	DOOR STOP	DON-JO, 1407-630
(3)	DOOR SILENCERS	IVES, MODEL SR64
(2)	KICKPLATE	HIAWATHA, MODEL KP834-32D
(1)	COAT HOOK	MILLS, MODEL FT6519, SUPPLIED BY WASHROOM ACCESSORIES VENDOR, MOUNT T.O. HOOK AT 47 1/2" AFF

VESTIBULE FRAME TYPES

*GENERAL NOTES: ALL STOREFRONT TO BE ANODIZED ALUMINUM (COLOR AS NOTED) W/ THERMAL BREAKS; ALL GLAZING TO BE 1/4"CLEAR SAFETY GLAZING U.N.O. PROVIDE HEAD RECEPTORS WHERE NOTED



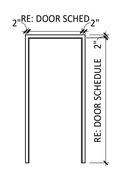
1 STOREFRONT ELEVATION 1
SCALE: 1/4" = 1'-0"

2 STOREFRONT ELEVATION 2
SCALE: 1/4" = 1'-0"

GENERAL DOOR HARDWARE

A. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
B. LATCHES, HANDLES, PANIC BARS AND ALL DOOR HARDWARE WILL COMPLY WITH SECTION 7.2 OF NFPA 101 PER THE SPECIFICATIONS.
C. THE MANAGER HAS A KEY TO UNLOCK RESTROOM DOORS, FROM THE OUTSIDE IN CASE OF AN EMERGENCY.
D. ALL DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS.
E. SEE THIS SHEET FOR EXTERIOR DOOR SIGNAGE INFO.
F. MAXIMUM EFFORT TO OPERATE EXTERIOR OR INTERIOR DOORS WITH CLOSERS SHALL NOT EXCEED 5 POUNDS. THIS MAY BE INCREASED TO 15 POUNDS FOR FIRE-RATED DOORS.
G. ALL NEW HOLLOW METAL DOORS, FRAMES AND HARDWARE TO BE FURNISHED BY TENANT HARDWARE SUPPLIER AND INSTALLED BY TENANT G.C. CALL PETE KLIMEKWITH TWIN CITY HARDWARE AT 763-535-4660 TO ARRANGE DELIVERY. NEW VESTIBULE STOREFRONT DOORS AND DOOR HARDWARE ARE TO BE PROVIDED BY TENANT GC.
H. THE BOTTOM 10 INCHES OF ALL DOORS SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
.I ALL SUPPORT SIGNAGE INSTALLED BY G.C.
J. ALL SUPPORT SIGNAGE PROVIDED BY TENANT'S SUPPORT SIGNAGE SUPPLIER.
K. ALL HARDWARE SHALL MATCH STOREFRONT, VERIFY WITH ARCHITECT AND/OR CHIPOTLE CONSTRUCTION MANAGER PRIOR TO ORDERING.

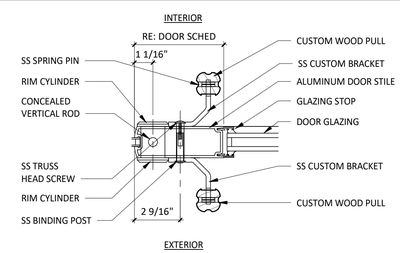
DOOR FRAME



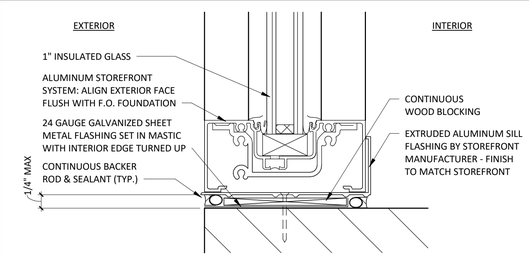
1

NOTE: GC TO VERIFY THE WALL THICKNESS PRIOR TO ORDERING DOOR FRAMES.

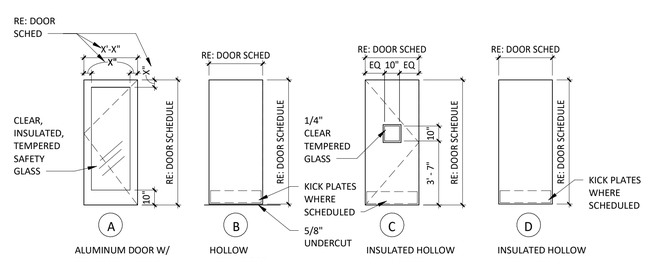
CUSTOM WOOD PULL



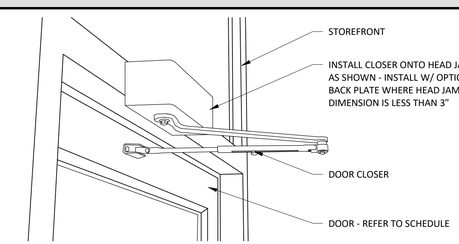
SILL FLASHING



DOOR TYPES



DOOR CLOSER



TOP JAMB MOUNT INSTALLATION. (NOTE THAT BACKPLATE IS MISSING IN THIS INSTALLATION BECAUSE HEAD JAMB IS OF ADEQUATE HEIGHT TO RECEIVE ALL MOUNTING SCREWS WITHOUT IT.) WHEN IN DOUBT ABOUT THE HEAD JAMB DIMENSION OR STABILITY, ORDER THE BACKPLATE.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

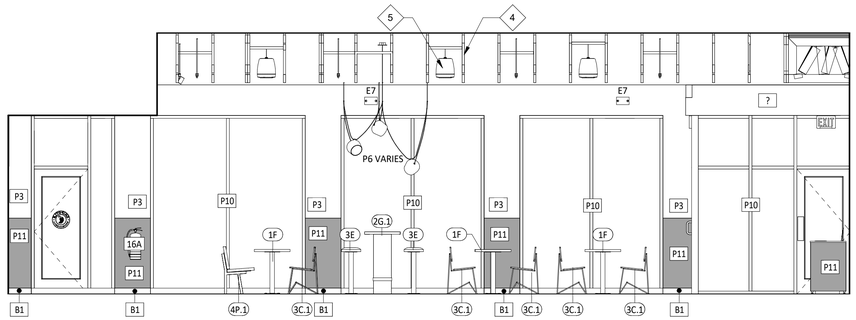
2	06/04/2024	BID SET UPDATES

TITLE:

DOOR & HARDWARE SCHEDULE

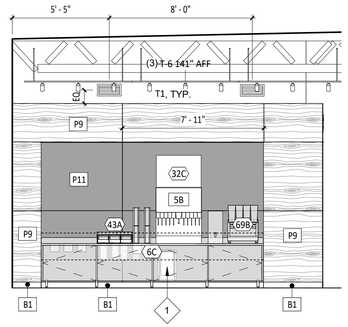
SHEET NUMBER:

A601



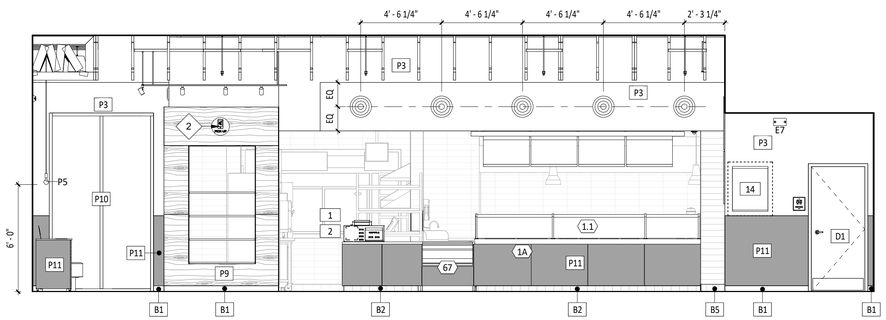
1 DINING ELEVATION

SCALE: 1/4" = 1'-0"



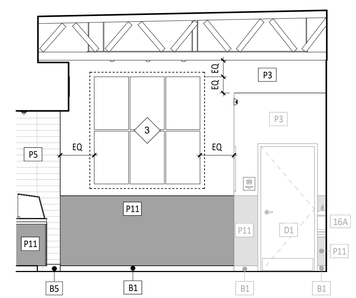
2 DINING ELEVATION

SCALE: 1/4" = 1'-0"



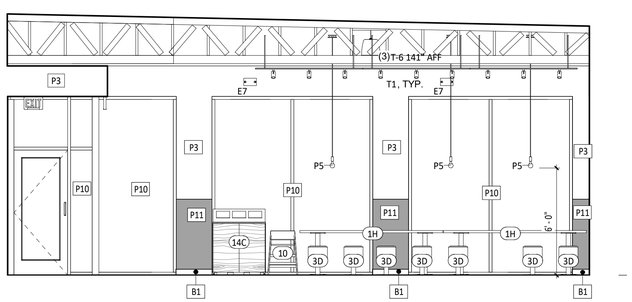
3 DINING ELEVATION

SCALE: 1/4" = 1'-0"



4 DINING ELEVATION

SCALE: 1/4" = 1'-0"



5 DINING ELEVATION

SCALE: 1/4" = 1'-0"

GENERAL NOTES - INT. ELEV.

A. REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
B. PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
C. REFER TO A120 FOR FINISH SCHEDULE.
D. REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

ELEVATION LEGEND

DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.

KEYNOTE LEGEND

1	SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2	PICK-UP SIGN BY TENANT SIGNAGE VENDOR - INSTALLED BY GENERAL CONTRACTOR - COORDINATE REQUIRED BLOCKING REQUIREMENTS.
3	6 - PANEL ARTWORK LOCATION.
4	EXISTING STRUCTURE TO REMAIN UNPAINTED - REFER TO A140 AND A201 FOR ADDITIONAL INFORMATION.
5	SPEAKER LOCATION - REFER TO A201 FOR ADDITIONAL INFORMATION.

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO. 2023-0144
DRAWN BY KDRB
CHECKED BY DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

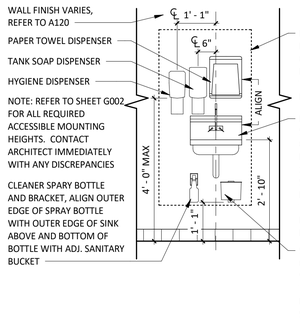
TITLE:

ELEVATIONS - INTERIOR DINING

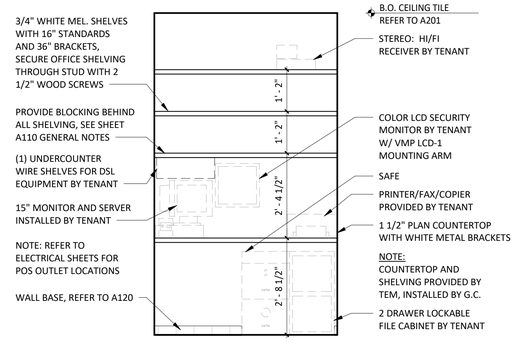
SHEET NUMBER:

A701

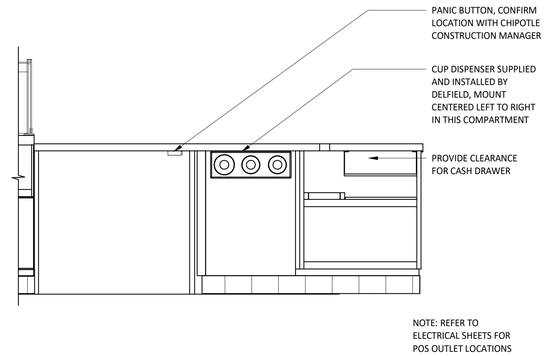
*THIS DETAIL IS FOR HANDSINK ACCESSORY DIMENSIONS ONLY. FOR ACTUAL ORIENTATION OF HAND SINK AND ACCESSORIES, REFER TO KITCHEN ELEVATIONS



1 TYP ELEV - HAND SINK
SCALE: 1/2" = 1'-0"



2 TYP ELEV - OFFICE SHELVING
SCALE: 1/2" = 1'-0"



3 TYP. ELEV - POS
SCALE: 3/4" = 1'-0"

GENERAL NOTES - INT. ELEV.

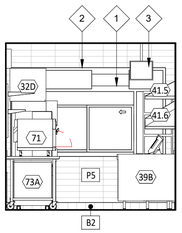
A. REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
B. PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
C. REFER TO A120 FOR FINISH SCHEDULE.
D. REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

ELEVATION LEGEND

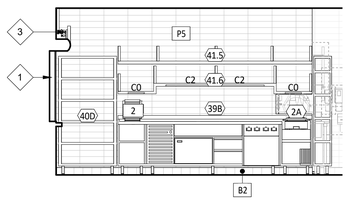
DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.

KEYNOTE LEGEND

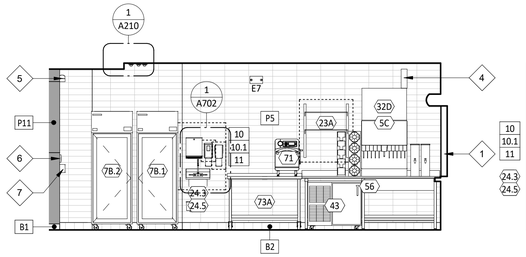
1	ALUMINUM PLATE SILL, HEAD AND JAMBS AS INDICATED - REFER TO A802 FOR DETAILS.
2	PICK-UP WINDOW WITH INTEGRATED AIR CURTAIN, BY LANDLORD.
3	MONITOR BY TENANTS VENDOR.
4	STAINLESS STEEL SHROUD, REFER TO FINISH PLAN
5	CHIME/STROBE - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
6	ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.
7	KRONOS TIMECLOCK WILL BE LOCATED 40" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.
8	PROVIDE FRP CLOSURE BETWEEN FINISH CEILING AND TOP OF COOLER.
9	ELECTRICAL PANEL LOCATION, SEE ELECTRICAL PLANS
10	FIRE RISER LOCATION
11	MOVEABLE LINEN BINS WITH LID - TYPICAL OF FOUR (4).
12	WATER FILTER - REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.



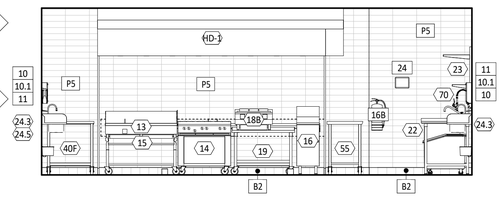
4 DML
SCALE: 1/4" = 1'-0"



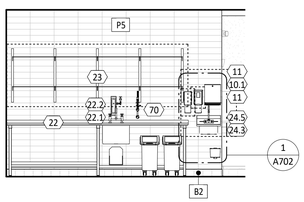
5 DML
SCALE: 1/4" = 1'-0"



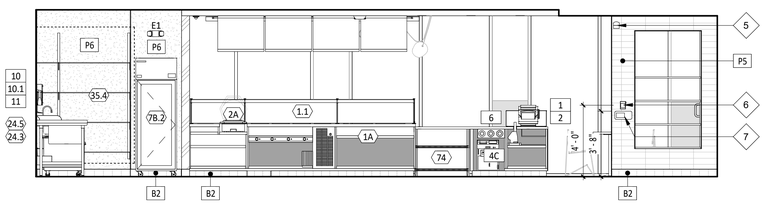
6 DML
SCALE: 1/4" = 1'-0"



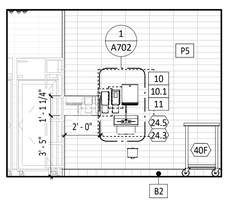
7 COOKING
SCALE: 1/4" = 1'-0"



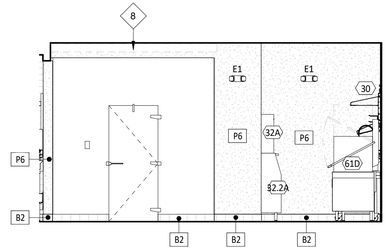
8 COOKING
SCALE: 1/4" = 1'-0"



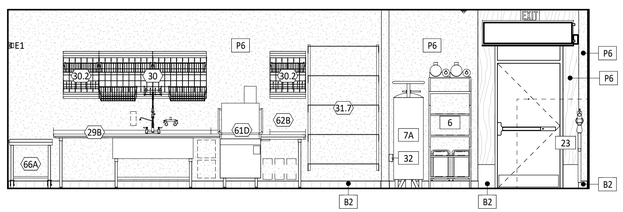
9 COOKING
SCALE: 1/4" = 1'-0"



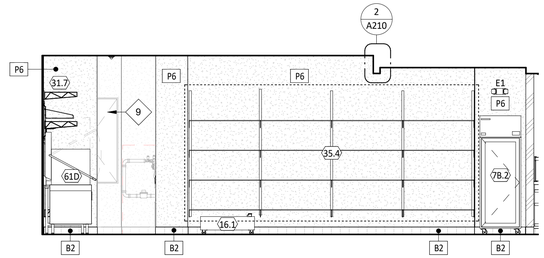
10 COOKING
SCALE: 1/4" = 1'-0"



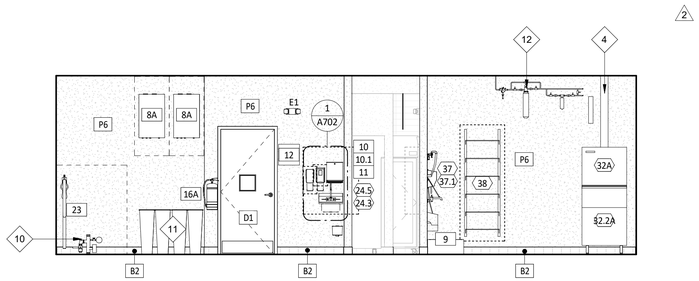
11 KITCHEN
SCALE: 1/4" = 1'-0"



12 KITCHEN
SCALE: 1/4" = 1'-0"



13 KITCHEN
SCALE: 1/4" = 1'-0"



14 KITCHEN
SCALE: 1/4" = 1'-0"

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
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EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET	
06-04-24	BID SET	
08-26-24	CONSTRUCTION SET	

REVISIONS:

2	06/04/2024	BID SET UPDATES

TITLE:

ELEVATIONS - INTERIOR KITCHEN

SHEET NUMBER:

A702

RESTROOM ACCESSORIES

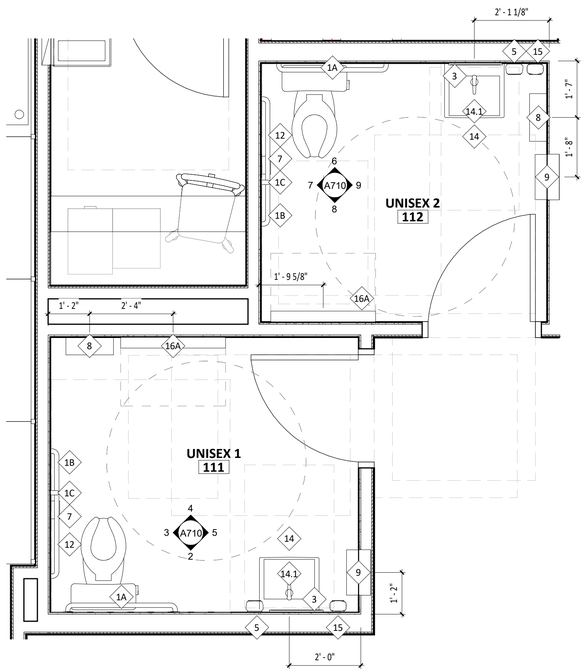
ITEM #	DESCRIPTION	MANUF	MODEL	QTY	PROVIDED BY	INSTALLED BY	UTILITY ELEC	UTILITY GAS	UTILITY WATER	UTILITY SEWER	MOUNTING HEIGHT	REMARKS
1A	Grab Bar - 36in	ASI	3501-36	2	WA	GC					34" AFF to Centerline of Gasping Surface	Provide Plywood Blocking to Mount to Wall
1B	Grab Bar - 42in	ASI	3501-42	2	WA	GC					34" AFF to Centerline of Gasping Surface	Provide Plywood Blocking to Mount to Wall
1C	Grab Bar - 18in	ASI	3501-18	2	WA	GC					40" AFF to Centerline of Bottom Return	Provide Plywood Blocking to Mount to Wall
3	Mirror	ASI	600-B1836	2	WA	GC					Bottom Edge of Reflecting Surface at 40" AFF	Provide Plywood Blocking to Mount to Wall
5	Touch-Free Soap Dispenser	Purell	CS8	2	WA	GC					47 1/2" AFF To Top Of Dispenser	
7	Recessed Toilet Paper Dispenser	ASI	0031	2	WA	GC					29" AFF to Top of Unit	Recess Mounted in Wall - Rough Opening: 6 1/4"W X 12 1/4"H X 3 3/8"D Top of Rough Opening: 29 1/4" AFF
8	Utility Shelf	ASI	0692	2	WA	GC					46" AFF To Top Of Shelf	Provide Toggle Bolts to Mount to Wall
9	Recessed Convertible Paper Towel Dispenser and Waste Receptacle, Recess Mounted in Wall	Bobrick	B-3944	2	WA	GC					Bottom of Unit at Top of Base, Bottom of Dispenser to be at 40" AFF, Recess Mounting In Wall	Rough Opening: 16"W x 54 3/4"H x 4" D. Provide Plywood Blocking to Mount to Wall
12	Napkin Disposal - Recessed	ASI	0473	2	WA	GC					Top of Rough Opening @ 29" AFF	Recess Mounted in Wall - Rough Opening: 11 1/4"W X 15 3/4"H X 4"D
14	Restroom Hand Sink	Kohler	K-2084	2	GC	GC				•	Mount Bottom of Front Edge Of The Sink At Exactly 29" AFF	
14.1	Restroom Hand Sink Faucet	T&S	EC-3102-TMV-LF-05	2	KES	GC			•			To Be Furnished With .5 GPM Aerator Installed. Thermostatic mixing valve is also included.
15	Hand Sanitizer Dispenser	Purell	ES8	2	WA	GC					Align T.O. Unit With T.O. Soap Dispenser	
16A	Surface Mounted Horizontal Baby Changing Station	Koala Care	KB200-05	2	WA	GC					Mount Bottom of Open Changing Bed at Exactly 27" AFF	GC to Provide adequate blocking to support the baby changing equipment. Blocking shall be installed in such a manner to not damage or compromise the rated assembly of the existing wall construction

GENERAL NOTES - RESTROOM

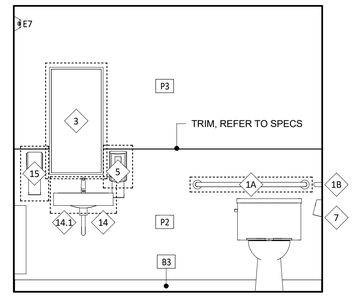
A. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTES.
B. REFER TO A801 FOR FINISH DETAIL NOTES.
C. ALL ACCESSORIES SHALL BE AS MANUFACTURED BY AMERICAN SPECIALTIES INC OR TENANT APPROVED EQUIVALENT UNLESS DESIGNATED OTHERWISE. PROVIDE SOLID FRT WOOD BLOCKING AS NECESSARY FOR INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS. SEE SHEET G002 FOR ACCESSIBILITY GUIDELINES & MOUNTING HEIGHT REQUIREMENTS.
D. REFER TO A120 FOR FINISH SCHEDULE.
E. REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

ELEVATION LEGEND

DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.



1 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



2 UNISEX 1 RESTROOM
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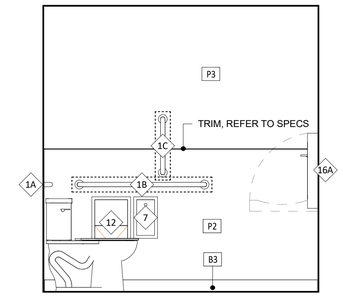

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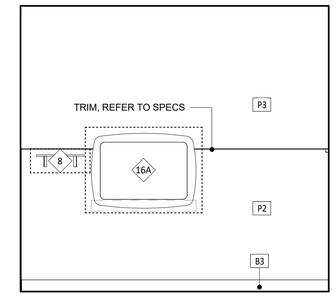

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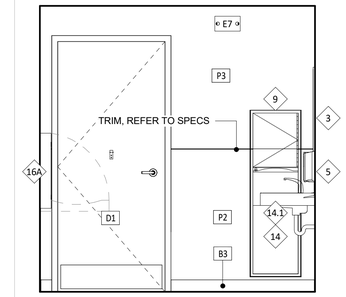

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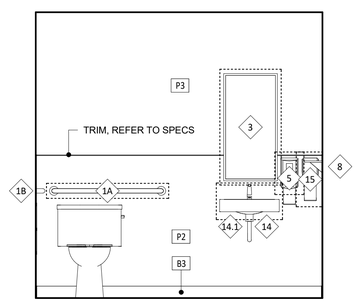

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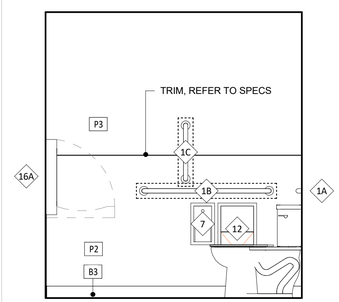
SCALE: 1/2" = 1'-0"



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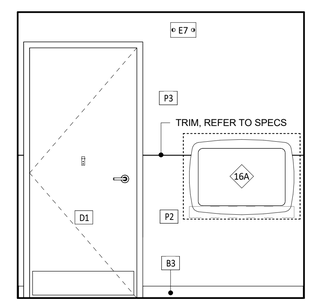

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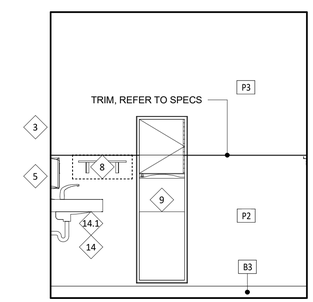

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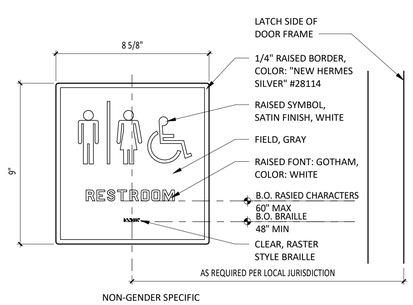

10 TYPICAL RESTROOM SIGNAGE
SCALE: 3" = 1'-0"

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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DRAWN BY	KDRB
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ISSUE RECORD:

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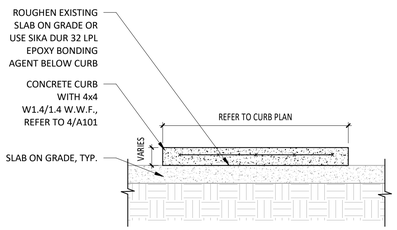
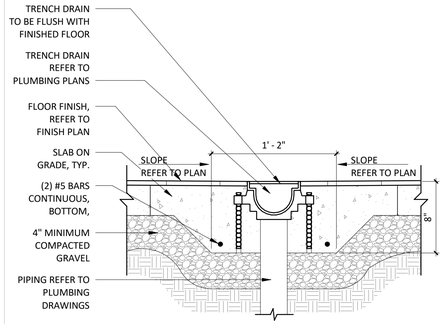
REVISIONS:

TITLE:
RESTROOM INFORMATION

SHEET NUMBER:
A710



1 DETAIL @ CONCRETE CURB
SCALE: 3/4" = 1'-0"



2 DETAIL @ TRENCH DRAIN
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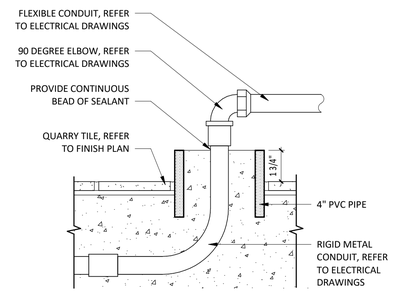

3 SECTION @ STUB LOCATION UNDER TABLES
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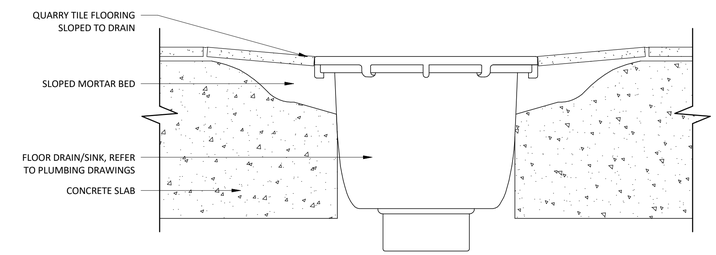

4 SECTION @ QT FLOOR DRAIN/SINK - TYP.
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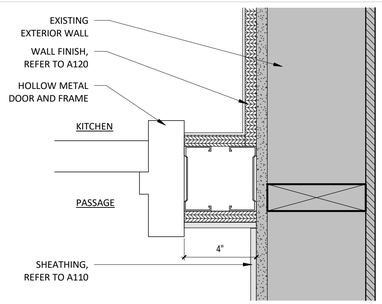

5 DETAIL @ DOOR JAMB
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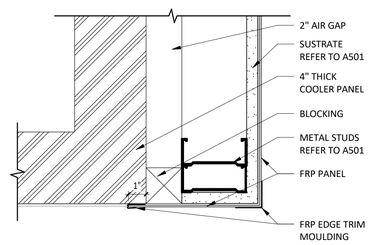
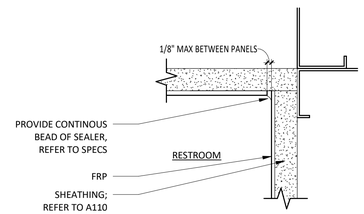
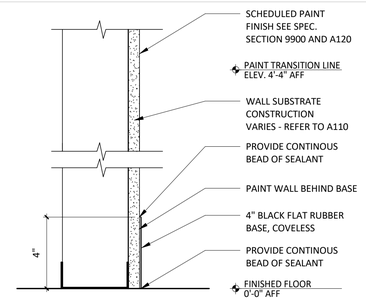


6 DETAIL @ FRP TO COOLER CLOSER STRIP
SCALE: 3" = 1'-0"

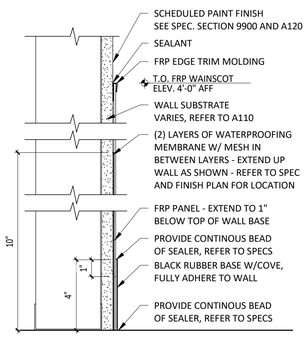


7 DETAIL @ RESTROOM FRP INSIDE CORNER
SCALE: 6" = 1'-0"

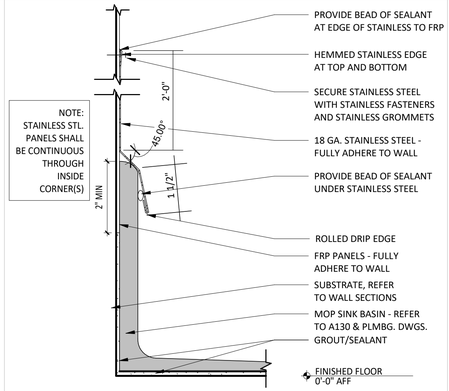


8 SECTION @ DINING ROOM WALL
SCALE: 3" = 1'-0"

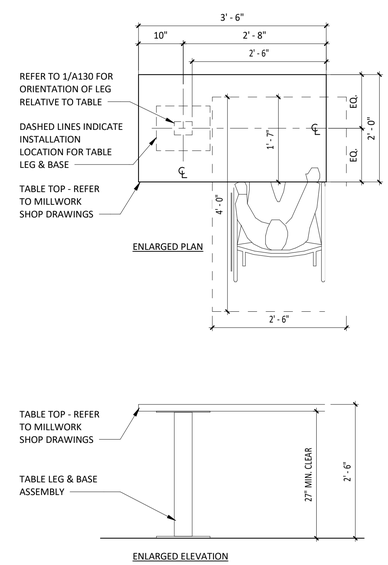
NOTE: ALL CONCEALED WOOD TO BE FRT RATED



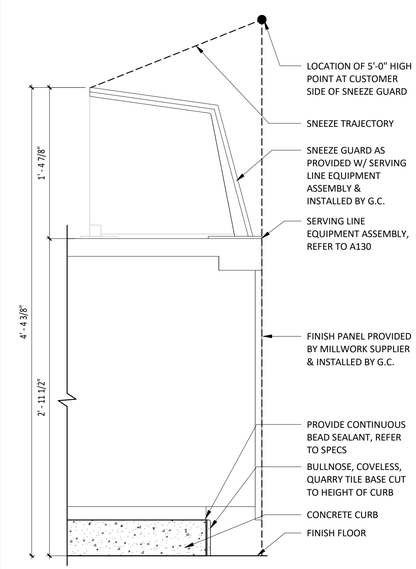
9 SECTION @ FRP WAINSCOT W/ RUBBER BASE
SCALE: 3" = 1'-0"



10 SECTION @ MOP SINK
SCALE: 6" = 1'-0"



11 DETAIL @ ACCESSIBLE TABLE
SCALE: 3/4" = 1'-0"



12 DETAIL @ SERVELINE SNEEZE GUARD
SCALE: 1 1/2" = 1'-0"

CONSULTANT:

WILKUS ARCHITECTS

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REVISIONS:

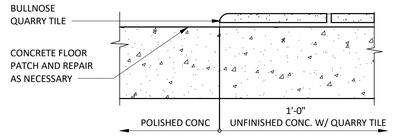
2	06/04/2024	BID SET UPDATES

TITLE:

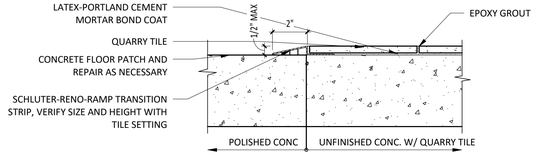
FINISH DETAILS - GENERAL

SHEET NUMBER:

A801



1 FLOOR TRANSITION @ READY TO DRINK
SCALE: 3" = 1'-0"



2 FLOOR TRANSITION @ RAMP
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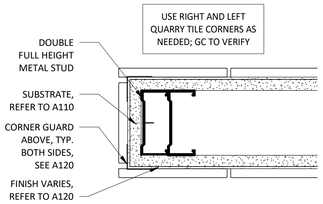

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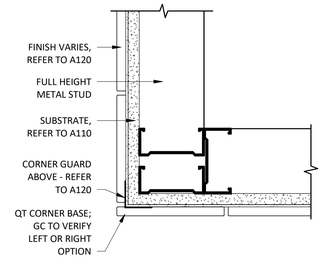

4 QT BASE - OUTSIDE CORNER - (KITCHEN)
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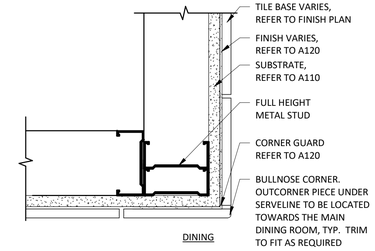

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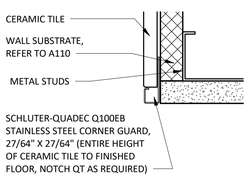

6 TILE TO GYP OUTSIDE CORNER
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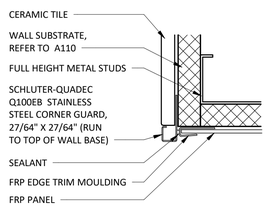

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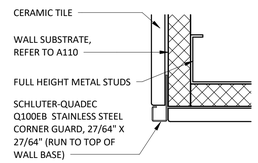

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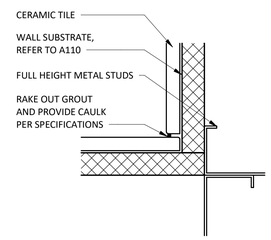
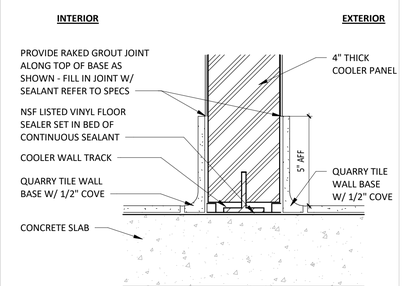


9 TILE TO TILE INSIDE CORNER
SCALE: 6" = 1'-0"



10 QT BASE @ COOLER
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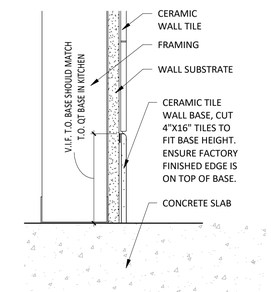

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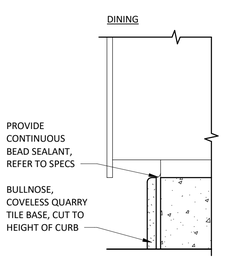

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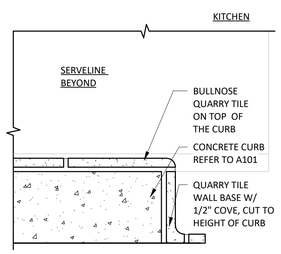

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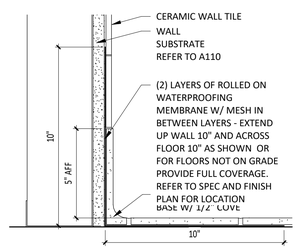

13 QT BASE @ CERAMIC TILE
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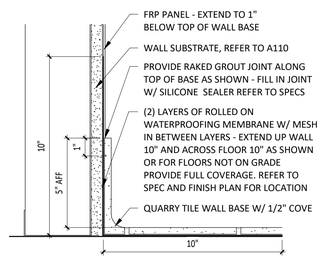

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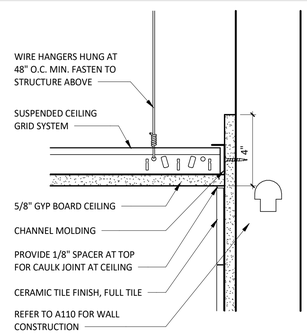
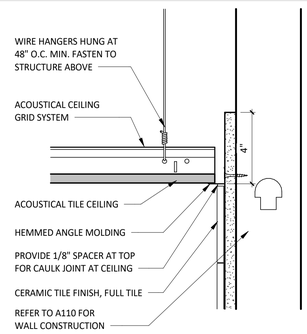


15 TILE DETAIL @ GYP BD CEILING
SCALE: 3" = 1'-0"



16 TILE DETAIL @ SUSPENDED CEILING
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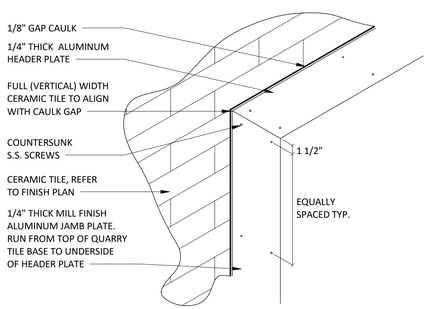
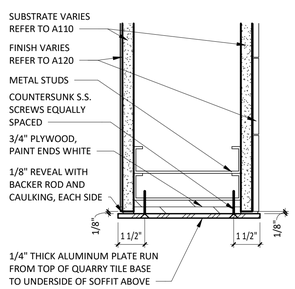
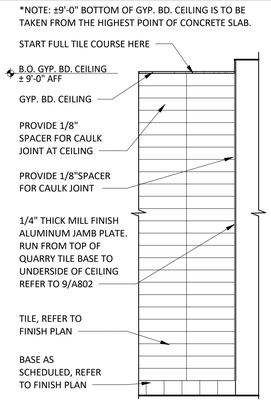


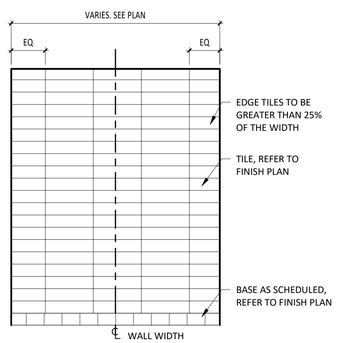
17 TILE DETAIL @ ALUMNINUM PLATE HEADER
SCALE: 1" = 1'-0"



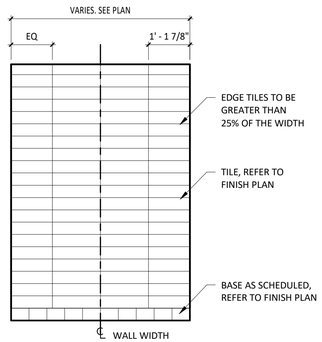
18 ALUMINUM PLATE @ JAMB/HEAD/SILL
SCALE: 3" = 1'-0"



19 KITCHEN WALL ENDCAP TILE LAYOUT
SCALE: 1/2" = 1'-0"



20 TILE CENTERED LAYOUT
SCALE: 1/2" = 1'-0"



21 JOINT CENTERED LAYOUT
SCALE: 1/2" = 1'-0"

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

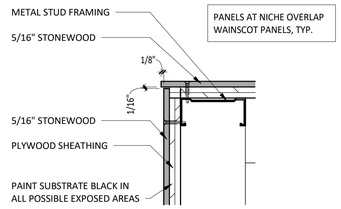
REVISIONS:

TITLE:

FINISH DETAILS - TILE

SHEET NUMBER:

A802



1 SECTION @ STONEWOOD CNR. @ NICHE
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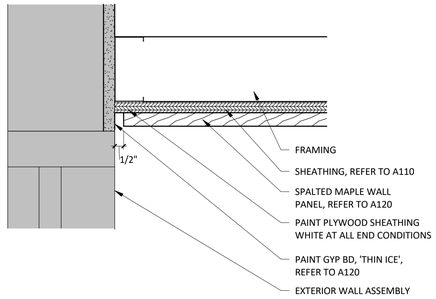

2 DETAIL @ WOOD END CONDITION
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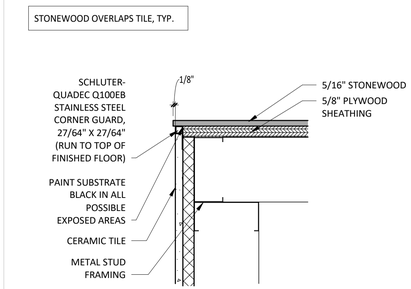

3 DETAIL @ STONEWOOD TO TILE CORNER
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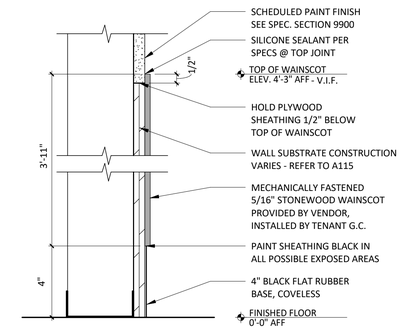

4 SECTION @ WAINSCOT
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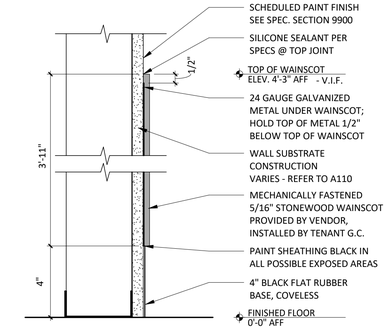

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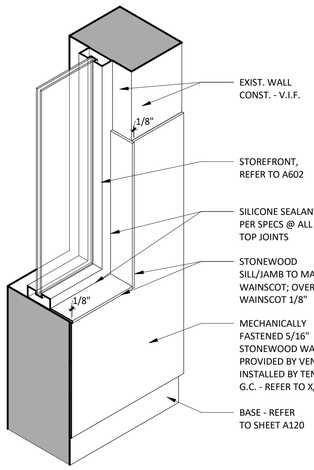
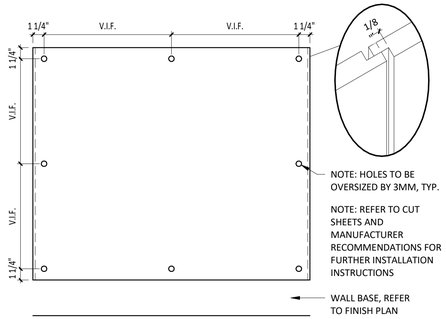
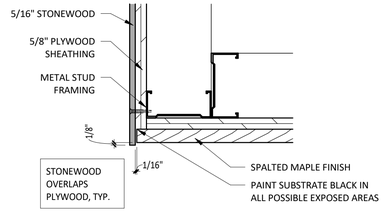


6 SECTION @ WAINSCOT SILL / JAMB
SCALE: 1" = 1'-0"



7 WAINSCOT DETAILS
SCALE: 1 1/2" = 1'-0"



8 DETAIL @ WOOD TO STONEWOOD CNR.
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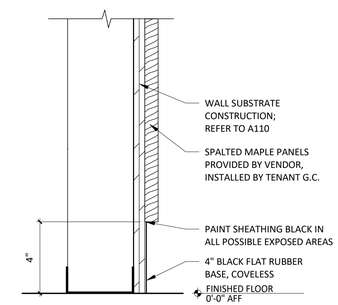

9 SECTION @ SPALTED MAPLE
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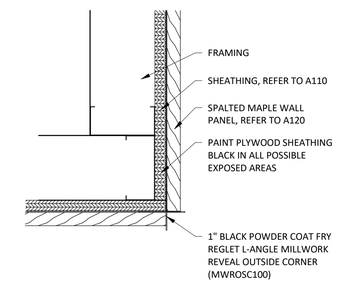
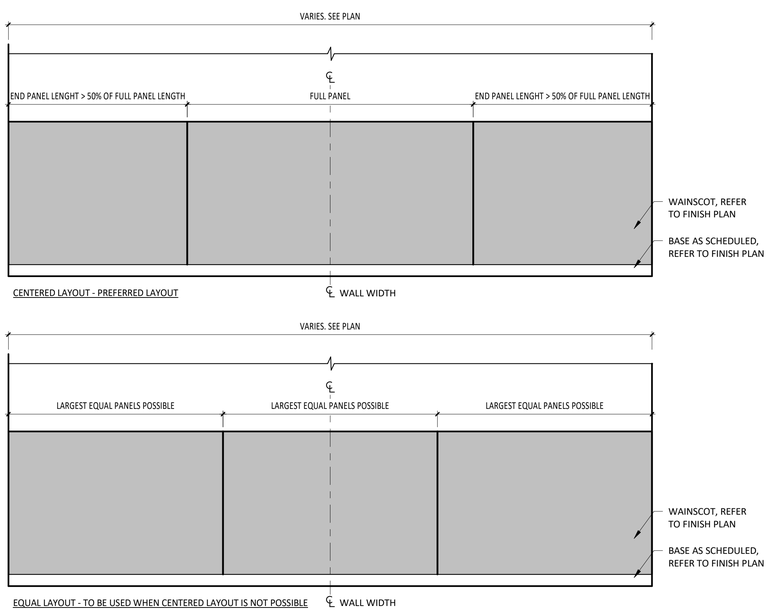
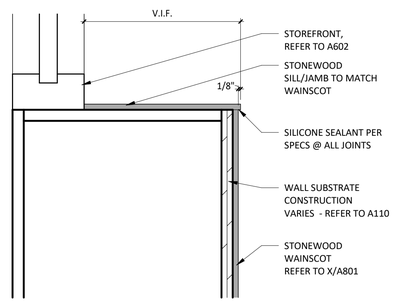


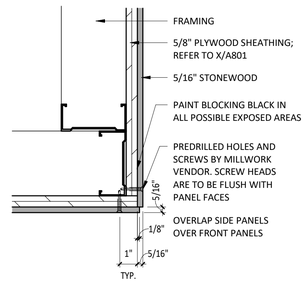
10 DETAIL @ WOOD TO WOOD CORNER
SCALE: 3" = 1'-0"



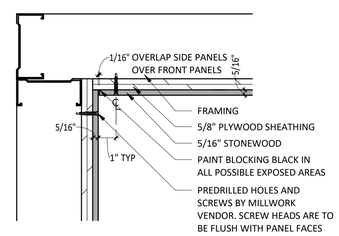
14 WAINSCOT LAYOUT
SCALE: 1/2" = 1'-0"



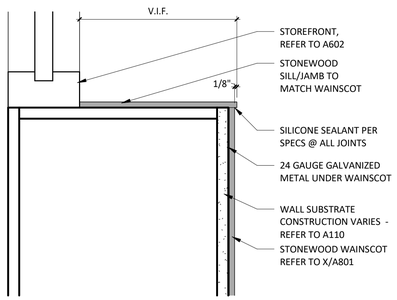
11 SECTION @ WAINSCOT SILL/JAMB
SCALE: 3" = 1'-0"



12 DETAIL @ TYP. WAINSCOT CORNER
SCALE: 3" = 1'-0"



13 DETAIL @ TYP. WAINSCOT INSIDE CNR.
SCALE: 3" = 1'-0"



15 SECTION @ WAINSCOT SILL/JAMB
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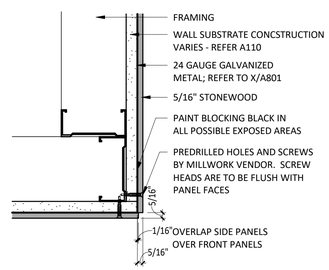

16 DETAIL @ TYP. WAINSCOT CORNER
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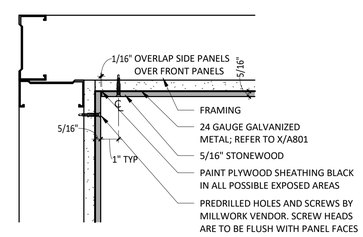

17 DETAIL @ TYP. WAINSCOT INSIDE CORNER
SCALE: 3" = 1'-0"

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
9246 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MN 55347

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE August 27, 2024

PROJECT NO.	2023-0144
DRAWN BY	KDRB
CHECKED BY	DRL / MMW

ISSUE RECORD:

04-10-24	PERMIT SET
06-04-24	BID SET
08-26-24	CONSTRUCTION SET

REVISIONS:

TITLE:

FINISH DETAILS - WOOD

SHEET NUMBER:

A803

GENERAL STRUCTURAL NOTES

1 BUILDING CODE:

1.1 THE 2020 MINNESOTA BUILDING CODE BASED ON THE 2018 INTERNATIONAL BUILDING CODE.

2 DESIGN LOADS:

2.1 SHELL ENGINEER TO DETERMINE BUILDING DESIGN LOADS.
2.2 EQUIPMENT: ROOFTOP UNITS .....SEE PLAN

3 GENERAL NOTES:

3.1 CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR THE SAFETY OF PERSONS AND PROPERTY. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
3.2 THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. DURING ERECTION OF THE STRUCTURE, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TEMPORARY GUYING, SHORING, BRACING, FORMING, ETC. SUCH MEASURES SHALL BE LEFT IN PLACE AS LONG AS REQUIRED FOR SAFETY AND UNTIL ALL FRAMING AND CONNECTIONS ARE IN PLACE. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF SUCH TEMPORARY MEASURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3.3 DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW BY THE ENGINEER.
3.4 ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS, ELECTRICAL DRAWINGS, TELECOMMUNICATION DRAWINGS, FIRE PROTECTION DRAWINGS, EQUIPMENT DRAWINGS AND RELATED ITEMS ARE BY OTHERS.
3.5 CONTRACTOR AND SUBCONTRACTORS SHALL THOROUGHLY REVIEW ALL DRAWINGS PRIOR TO SUBMITTING BIDS. MISCELLANEOUS FASTENERS, CLIPS, ETC. THAT ARE NOT DETAILED ON THE DRAWINGS BUT ARE PART OF THE REQUIREMENTS FOR FULL INSTALLATION OF ALL STRUCTURAL SYSTEMS ARE TO BE PART OF THE BID. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE BID.
3.6 DURING THE BIDDING STAGE, CONTRACTOR SHALL REQUEST AN INTERPRETATION OF CONFLICTS PRIOR TO BIDDING. IF NO REQUEST IS MADE, BOTH PROVISIONS SHALL BE PRESUMED TO BE INCLUDED IN THE BID AND THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH PROVISION GOVERNS, AND THE CONTRACTOR SHALL PERFORM THE WORK AT NO ADDITIONAL COST TO THE OWNER.
3.7 ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONSTRUCTION DRAWINGS AND/OR SPECIFICATIONS AND/OR EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
3.8 THE CONTRACTOR SHALL COORDINATE ALL DEPRESSIONS, DIMENSIONS, ELEVATIONS, SLEEVES, CHASES, HANGERS, OPENINGS, BLOCK OUTS, INSERTS, ANCHORS, EQUIPMENT SUPPORTS, AND DETAILS WITH THE ENTIRE CONSTRUCTION PACKAGE INCLUDING ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS, ELECTRICAL DRAWINGS, TELECOMMUNICATION DRAWINGS, FIRE PROTECTION DRAWINGS AND EQUIPMENT DRAWINGS.
3.9 MECHANICAL UNITS SUPPORTED BY ROOF STRUCTURE ARE SUBJECT TO THE ACCEPTANCE OF THE STRUCTURAL ENGINEER.
3.10 DO NOT HANG ANYTHING FROM THE ROOF DECK.

4 EXISTING CONSTRUCTION:

4.1 WHEREVER APPLICABLE, PRIOR TO FABRICATION AND CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS, DIMENSIONS, DETAILS OF EXISTING STRUCTURAL CONNECTIONS AND OTHER CONDITIONS WHERE THEY AFFECT THIS CONSTRUCTION. NOTIFY THE ENGINEER IF THERE ARE ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. CONSULT WITH THE STRUCTURAL ENGINEER BEFORE MAKING ANY MODIFICATIONS TO THE EXISTING STRUCTURE NOT INDICATED ON THE CONTRACT DOCUMENTS.
4.2 BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING STRUCTURE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.
4.3 THE CONTRACTOR SHALL CONSIDER ALL HAZARDS DUE TO WELDING WITHIN THE EXISTING FACILITY, INCLUDING FIRE HAZARD, TOXIC SMOKE HAZARD AND LIQUEFACTION OF MEMBERS UNDER LOAD. VERIFY THE PRESENCE OF ANY TOXIC MATERIALS PRIOR TO BIDDING THE WORK OR SUBMITTAL OF FINAL PRICE.

5 REINFORCED CONCRETE:

5.1 DESIGN CODE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318), LATEST ADOPTION.
5.2 CONCRETE MIXES SHALL BE DESIGNED PER ACI 301 USING THE FOLLOWING:
PORTLAND CEMENT CONFORMING TO ASTM C150 OR C595
FLY ASH CONFORMING TO ASTM C618.
SLAG CONFORMING TO ASTM C989.
SILICA FUME CONFORMING TO ASTM C1240.
AGGREGATE CONFORMING TO ASTM C33.
ADMIXTURES CONFORMING TO ASTM C494, C1017, AND C260. DO NOT USE CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE.
CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.
5.3 MATERIAL STRENGTHS:
5.3.1 PROVIDE THE FOLLOWING CONCRETE PROPERTIES:

DESCRIPTION	COMPRESSIVE STRENGTH (f'c) AT 28 DAYS	MAX AGGREGATE SIZE	SLUMP[2]	MAX WATER TO CEMENT RATIOS (W/C)[3]
INTERIOR SLABS ON GRADE	4000 PSI	¾"	3" ± 1"	0.43
ANY CONCRETE SUBJECT TO FREEZE-THAW CYCLES (5% ENTRAINED AIR[1])	4500 PSI	¾"	4" ± 1"	0.45

[1] TOLERANCE ON AIR CONTENT AS DELIVERED SHALL BE ± 1.5%.

[2] PRIOR TO ADDITION OF PLASTICIZER OR HIGH-RANGE WATER-REDUCER

[3] THESE W/C RATIOS MAY BE LOWER THAN NECESSARY TO PROVIDE THE SPECIFIED STRENGTHS.

5.3.2 REINFORCING STEEL:
ALL OTHER BARS, STIRRUPS AND TIES .....ASTM A615, GR. 60
WELDED WIRE FABRIC .....ASTM A1064
5.4 PLACEMENT OF CONCRETE AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI AND CRSI STANDARDS.
5.5 CLEAN REINFORCEMENT OF LOOSE RUST, MILL SCALE, EARTH, ICE, AND OTHER FOREIGN MATERIALS THAT REDUCE BOND TO CONCRETE.
5.6 FURNISH THE FOLLOWING CONCRETE COVER ON REINFORCING BARS UNLESS SHOWN OTHERWISE ON DRAWINGS:
SLABS ON GRADE.....CENTER MESH OR BARS IN SLAB
5.7 ALL WELDED WIRE FABRIC SHALL BE TRANSPORTED AND DELIVERED IN FLAT SHEETS.
5.8 MAINTAIN CONCRETE IN A CONTINUOUSLY DAMP AND WET CONDITION FOR NOT LESS THAN 7 DAYS AFTER PLACING. PROTECT FROM MOISTURE LOSS WITH SHEETING OR SPRAY-ON MEMBRANE MEETING ASTM C309 AND COMPATIBLE WITH FLOOR COVERINGS.
5.9 FINISHING REQUIREMENTS ARE AS FOLLOWS (REFER TO ACI 301):
SMOOTH RUBBED FINISH ON EXPOSED FORM SURFACES.
STEEL TROWEL FINISH ON INTERIOR SLABS AND SLABS TO RECEIVE FINISH FLOORING.
5.10 DO NOT FIELD BEND BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE UNLESS SPECIFICALLY INDICATED OR ACCEPTED BY THE ENGINEER.
5.11 IN SLABS PROVIDE (2) #4x4'-0" DIAGONAL BARS AT 45 DEGREES AT ALL CORNERS OF OPENINGS AND RE-ENTRANT CORNERS.
5.12 COLD WEATHER CONCRETING SHALL FOLLOW PROCEDURES IN ACI 306.
5.13 HOT WEATHER CONCRETING SHALL FOLLOW PROCEDURES IN ACI 305.
5.14 FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ALL SHORING.
5.15 SPECIAL ADDITIONAL REQUIREMENTS FOR SLABS ON GRADE:
5.15.1 DESIGN STANDARD: GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION (ACI 302.1)
5.15.2 REFER TO GEOTECHNICAL REPORT FOR VAPOR BARRIER, ENGINEERED FILL AND SUBGRADE COMPACTION REQUIREMENTS.
5.15.3 LAP ADJOINING WELDED WIRE FABRIC AT LEAST TWO FULL MESHES.
5.15.4 SEE DRAWINGS FOR LOCATIONS OF SLAB CONTROL JOINTS.
5.15.5 SLAB JOINTS SHALL BE FILLED WITH AN ACCEPTED MATERIAL AS LATE AS POSSIBLE, PREFERABLY AT LEAST 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINTS. FILL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
5.15.6 SEE THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEPRESSED SLAB AREAS AND DRAINS. SLOPE SLAB TO DRAINS WHERE SHOWN.
5.15.7 FINISH TOLERANCE OF ALL SLABS SHALL BE IN ACCORDANCE WITH ACI 302.1 R.

6 WOOD:

6.1 DESIGN CODE: NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION (AF&PA), LATEST ADOPTION.
6.2 MATERIALS (FOLLOWING INDICATE MINIMUM GRADES UNO ON DRAWINGS):

DESCRIPTION		SPECIES & GRADE		DESIGN VALUES (PSI)				COMMENTS
				Fb	Fc⊥	Fcǁ	E (x10[6])	
FRAMING LUMBER	Dimensional Lumber (2"-4")	SPRUCE-PINE-FIR	NO. 2	875	425	1150	1.4	POSTS
	Timbers (5"x5" and larger)	SPRUCE-PINE-FIR	NO. 2	500	425	500	1.0	POSTS
	Dimensional Lumber (2"-4")	SPRUCE-PINE-FIR	NO. 2	875	425	1150	1.4	JOISTS, BEAMS AND LINTELS
	Timbers (5"x5" and larger)	SPRUCE-PINE-FIR	NO. 2	600	425	425	1.0	BEAMS

6.3 ALL LUMBER CONNECTORS TO BE SUPPLIED BY USP OR SIMPSON STRONG-TIE. WHERE LUMBER CONNECTORS ARE TO BE USED BUT ARE NOT CALLED OUT IN THESE DRAWINGS THEY ARE TO BE DESIGNED AND SUPPLIED BY USP OR SIMPSON STRONG-TIE FOR THE REACTION SHOWN ON THESE DRAWINGS. WHEN USING LUMBER CONNECTORS FILL ALL NAIL HOLES TO ACHIEVE PUBLISHED VALUE. WHERE MORE STRINGENT, THESE DRAWINGS SUPERSEDE DIRECTIONS IN PRODUCT CATALOG BUT REFER TO PRODUCT CATALOG FOR TYPICAL INSTALLATION INSTRUCTIONS.
6.4 TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED NOR OTHERWISE ALTERED IN ANY WAY WITHOUT THE WRITTEN APPROVAL OF THE TRUSS SUPPLIER'S STRUCTURAL ENGINEER.
6.5 COORDINATE MECHANICAL EQUIPMENT LOADS AND LOCATIONS WITH MECHANICAL/ARCHITECTURAL DRAWINGS AND MECHANICAL CONTRACTOR.

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE	CRSI	CONCRETE REINFORCING STEEL INSTITUTE
AF&PA	AMERICAN FOREST & PAPER ASSOCIATION	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
APA	ENGINEERED WOOD ASSOCIATION	WTCA	WOOD TRUSS COUNCIL OF AMERICA
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS		

CONSULTANT:

VAA, LLC
2300 Berkshire Lane N, Suite 200
Plymouth, MN 55441
763.559.9100
www.vaaeng.com

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
ANDERSON LAKES PKWY
EDEN PRAIRIE, MN 55344

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct personal supervision and that I am a duly Engineer under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: MARK D. MIELKE
Date: 08.26.2024 License Number: 41957

PROJECT NO. 230305
DRAWN BY JKZ
CHECKED BY TJM

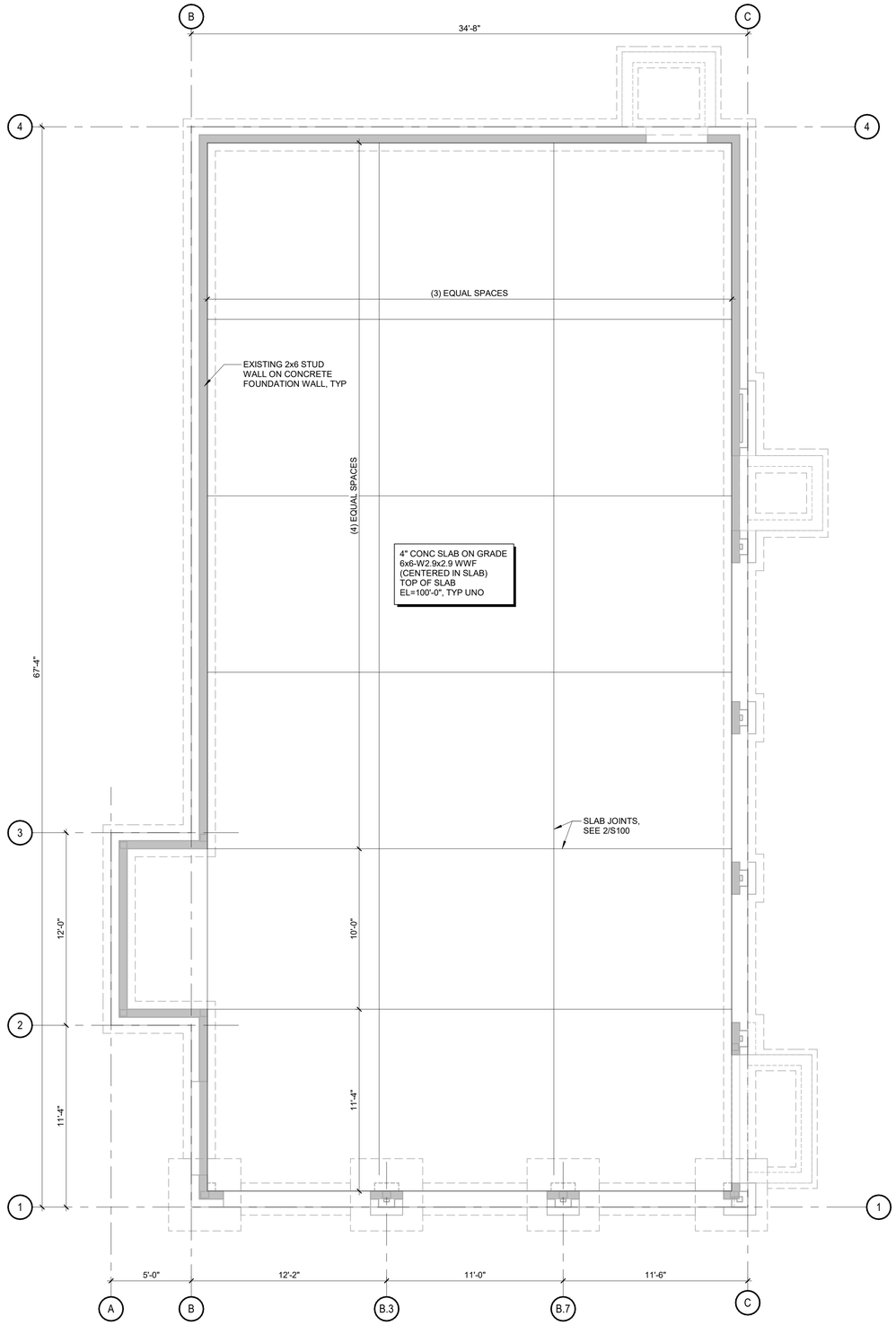
ISSUE RECORD:

04.10.2024	PERMIT SET
06.04.2024	BID SET
08.26.2024	CONSTRUCTION SET

REVISIONS:

TITLE:
GENERAL STRUCTURAL NOTES

SHEET NUMNBER:
S000

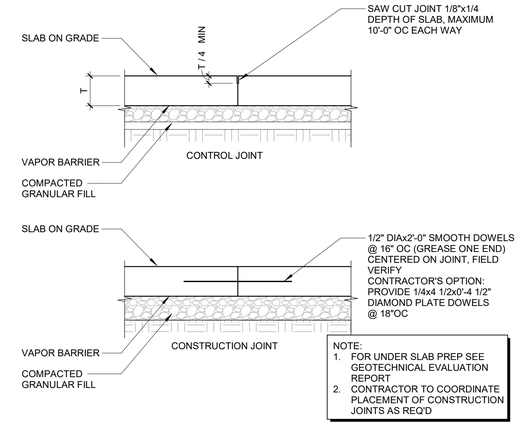


1 S100 SLAB ON GRADE PLAN

1/4" = 1'-0"

SLAB PLAN NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE SHEET S000
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONDITIONS, ETC PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION.
3. FOR SLAB SLOPES, RECESSES, DRAINS, CURBS, ETC, SEE ARCHITECTURAL AND PLUMBING DRAWINGS.
4. EXISTING STRUCTURAL INFORMATION IS BASED ON THE STRUCTURAL DRAWINGS PREPARED BY VAA, LLC, DATED 04.15.2023.



NOTE:
1. FOR UNDER SLAB PREP SEE GEOTECHNICAL EVALUATION REPORT
2. CONTRACTOR TO COORDINATE PLACEMENT OF CONSTRUCTION JOINTS AS REQ'D

2 S100 INTERIOR SLAB JOINTS

1" = 1'-0"

CONSULTANT:

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2300 Berkshire Lane N, Suite 200
Plymouth, MN 55441
763.559.9100
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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
ANDERSON LAKES PKWY
EDEN PRAIRIE, MN 55344

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct personal supervision and that I am a duly Engineer under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: MARK D. MIELKE
Date: 08.26.2024 License Number: 41957

PROJECT NO. 230305
DRAWN BY JKZ
CHECKED BY TJM

ISSUE RECORD:

04.10.2024	PERMIT SET
06.04.2024	BID SET
08.26.2024	CONSTRUCTION SET

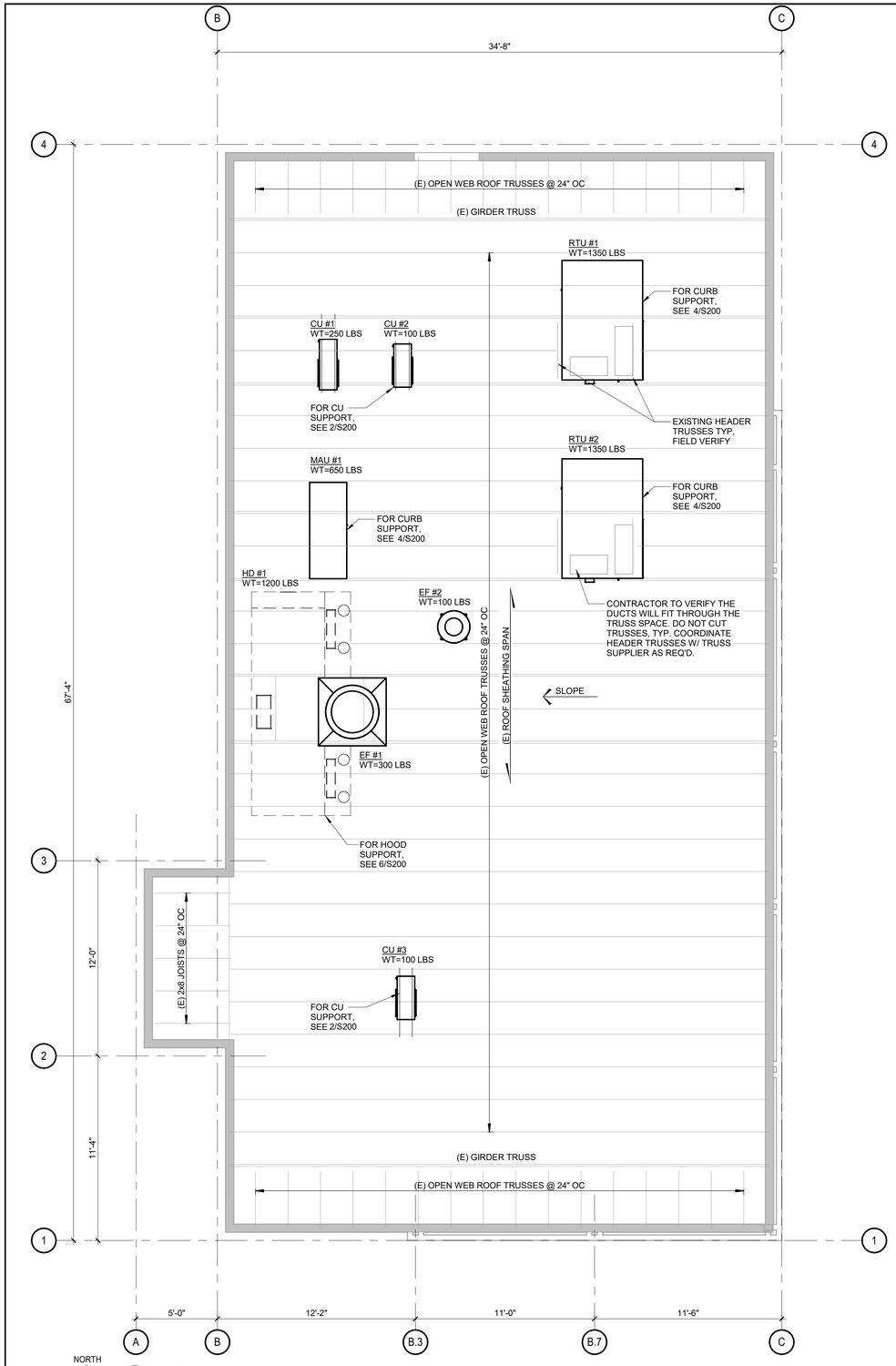
REVISIONS:

TITLE:

SLAB ON GRADE
PLAN AND DETAILS

SHEET NUMNBER:

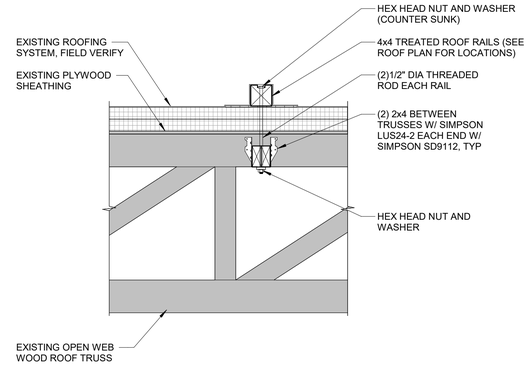
S100



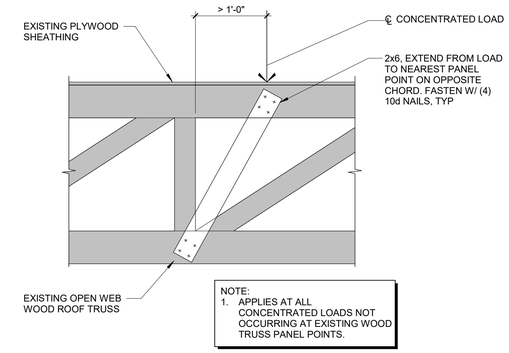
1 S200 EQUIPMENT SUPPORT PLAN
1/4" = 1'-0"

ROOF FRAMING PLAN NOTES:

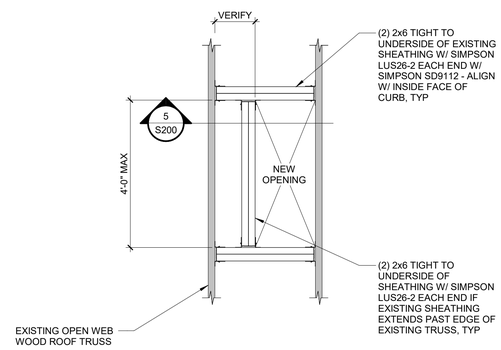
1. FOR GENERAL STRUCTURAL NOTES SEE SHEET S000
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONDITIONS, ETC PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION
3. FOR CONCENTRATED LOADS SUSPENDED FROM EXISTING ROOF TRUSSES SEE 3/S200
4. FOR ROOF DECK OPENINGS LARGER THAN 8" SEE 4/S200
5. THE LANDLORD SHELL ENGINEER AND TRUSS SUPPLIER TO DESIGN THE ROOF STRUCTURE TO ACCOMMODATE LOADS SHOWN.
6. EXISTING STRUCTURAL INFORMATION IS BASED ON THE STRUCTURAL DRAWINGS PREPARED BY VAA, LLC DATED 04.15.2023.



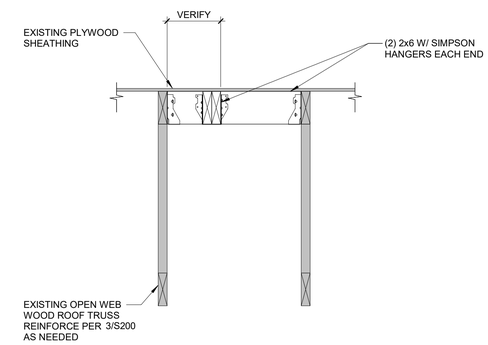
2 S200 CU SUPPORT DETAIL
1" = 1'-0"



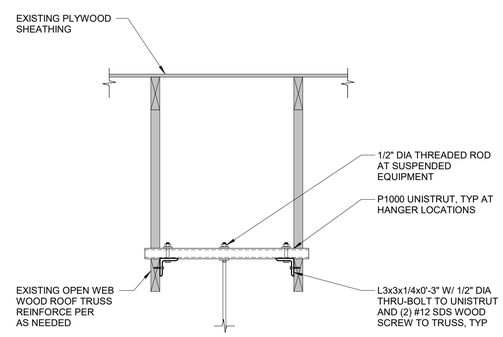
3 S200 TRUSS CHORD REINFORCING DETAIL
1" = 1'-0"



4 S200 ROOF FRAME DETAIL
3/4" = 1'-0"



5 S200 ROOF FRAME DETAIL
1" = 1'-0"



6 S200 SUSPENDED EQUIPMENT DETAIL
1" = 1'-0"

CONSULTANT:

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PROJECT INFORMATION:

STORE NO.: 5005
"PRESERVE VILLAGE"
ANDERSON LAKES PKWY
EDEN PRAIRIE, MN 55344

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct personal supervision and that I am a duly Engineer under the laws of the State of Minnesota.

Signature:
Typed or Printed Name: MARK D. MIELKE
Date: 08.26.2024 License Number: 41957

PROJECT NO. 230305
DRAWN BY JKZ
CHECKED BY TJM

ISSUE RECORD:

04.10.2024	PERMIT SET
06.04.2024	BID SET
08.26.2024	CONSTRUCTION SET

REVISIONS:

TITLE:
EQUIPMENT SUPPORT PLAN AND DETAILS

SHEET NUMNBER:
S200

Fire Protection Abbreviations

(E)	Existing
ABV	Above
ADA	Americans with Disabilities Act
AFF	Above Finished Floor
AFG	Above Finished Grade
AHJ	Authority Having Jurisdication
BFF	Below Finished Floor
BFG	Below Finished Grade
BOH	Back Of House
CLG	Ceiling
CTE	Connect to Existing
DN	Down
EXT'G	Existing
FAAP	Fire Alarm Annunciator Panel
FACP	Fire Alarm Control Panel
FLR	Floor
FOH	Front Of House
GYP	Gypsum Board
NTS	Not To Scale
O/H	Overhead
TYP	Typical
U/G	Underground
UNO	Unless Noted Otherwise
W/	With
WIC	Walk-in Cooler

Responsibility Definitions

GC	General Contractor
LL	Landlord
CO2AS	Tenant's CO2 Alarm Supplier
HES	Tenant's HVAC Equipment Supplier
HS	Tenant's Hood Supplier
KES	Tenant's Kitchen Equipment Supplier
MSS	Tenant's Music Systems Supplier
SPS	Tenant's Soda Pop Supplier
TAB	Tenant's Test And Balance Vendor
TCC	Tenant's Cabling Contractor
TDC	Tenant's Duct Cleaner
TEMS	Tenant's Energy Management System Supplier
TLS	Tenant's Light/Lamp Supplier
TMB	Tenant's Menu Board Supplier
TMS	Tenant's Millwork Supplier
TP	Tenant's Phone Supplier
TPS	Tenant's Panelboard Supplier
TRS	Tenant's Railing Supplier
TSV	Tenant's Sign Vendor
TUV	Tenant's UV Sanitizer Supplier
WCS	Tenant's Walk-In Cooler Supplier
WHS	Tenant's Water Heater Supplier

General Notes

A. Fire protection work shall be done in accordance with the building code, NFPA, local fire department standards, and the authority having jurisdiction. See architectural sheets for the prevailing codes.

B. Ceiling heights shown in the fire protection schedule are approximate. See architectural reflected ceiling plan for exact ceiling heights.

C. Existing fire protection system: existing wet pipe sprinkler system with distribution throughout space and heads turned up to deck.

D. Fire protection scope of work: modify the existing head layout in the spaces shown to suit the new floor plan. Provide new heads and piping as necessary for a complete system. Provide hydraulic calculations for revised fire protection system.

E. Existing fire alarm system: existing addressable fire alarm system with FACP in base building riser room, notification appliance in space, and pull stations at exits.

F. Fire alarm scope of work: modify the existing fire alarm system in the spaces shown to suit the new floor plan. Provide new devices as necessary for a complete system.

G. Coordinate head and device layout with exposed ductwork, light fixtures, HVAC equipment, architectural ceiling elements, and wall-mounted equipment. See architectural, HVAC, plumbing, and electrical plans for locations. Provide heads and devices in lay-in ceilings at quarter points along long axis of ceiling tiles.

H. Obtain permits, approvals, and inspections for revised fire protection and alarm systems.

I. Submit fire protection and fire alarm shop drawings showing head and device layouts to architect prior to submitting for permit approval.

J. The term "furnish" means supply and deliver to the project site, ready for unloading, unpacking, assembly, installation, and similar operations. The term "install" describes the operations at the project site including the actual unloading, unpacking, assembly, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations. The term "provide" means to furnish and install, complete and ready for the intended use.

K. If a slat ceiling system is installed in the dining room where it will interfere with the pattern development of sprinkler heads above the slat ceiling (within 18" below sprinkler heads) then provide intermediate level in-rack pendant sprinkler heads in slat ceiling system per the architectural details.

Fire Protection Schedule

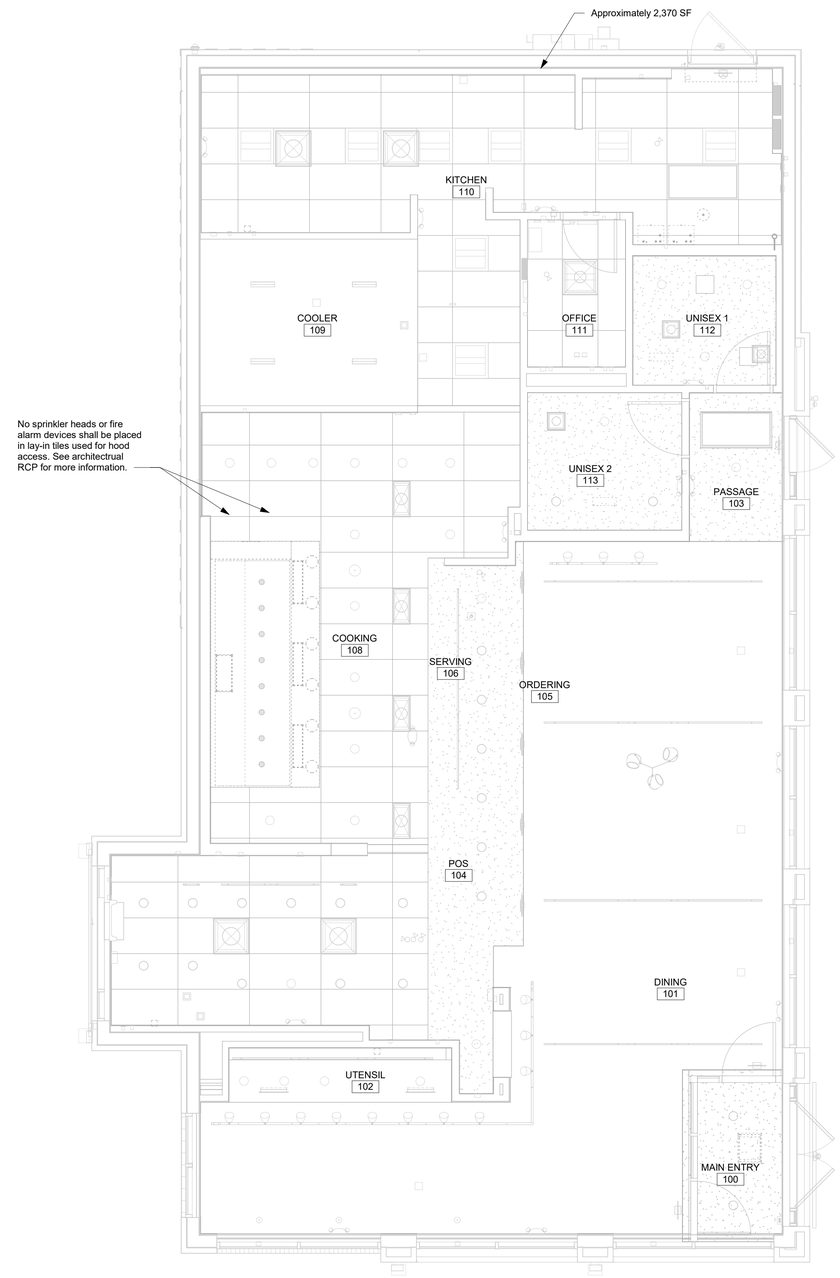
Location			
No.	Name	Ceiling	Hazard
100	MAIN ENTRY	Exposed Structure	LH
101	DINING	Exposed Structure	LH
102	UTENSIL	Stonewood	LH
103	PASSAGE	GYP	LH
104	POS	GYP	OH1
105	ORDERING	Exposed Structure	LH
106	SERVING	GYP	OH1
108	COOKING	CYP	OH1
109	COOLER	Integral	OH1
110	KITCHEN	Lay-In	OH1
111	OFFICE	Lay-In	LH
112	UNISEX 1	GYP	LH
113	UNISEX 2	GYP	LH
121	DML		OH1

Note: refer to architectural plans for ceiling heights.

FP Material Schedule

Ceiling Application	Allowable Material (Sprinkler Head)
Exposed Structure	Chrome or brass upright
Gypsum Board (GYP)	Chrome recessed pendant w/ chrome escutcheon
Lay-In	Chrome recessed pendant w/ chrome escutcheon
Stonewood	Concealed pendant w/ black cover plate
Walk-In Cooler (Integral)	Freeze-proof pendant

FOR REFERENCE ONLY: FIRE PROTECTION SYSTEMS ARE TO BE DESIGNED BY THE GENERAL CONTRACTOR.



1 / F100 Fire Protection Plan
1/4" = 1'-0"

CONSULTANT:
AYRES
MECHANICAL, ELECTRICAL, PLUMBING (MEP)
1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0648

CLIENT:
CHIPOTLE MEXICAN GRILL, INC.
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TELEPHONE: (614) 318-2482
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PROJECT INFORMATION:

STORE NO.: 5005
"Preserve Village"
9246 Hennepin Town Road
Eden Prairie, MN 55347

SEAL:
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: LICIA A. OLIGMUELLER
SIGNATURE:
DATE 08-26-2024 LIC. NO. 47183

PROJECT NO. 2023-0144
DRAWN BY PAS
CHECKED BY LAO

ISSUE RECORD:

04/11/2024	PERMIT SET
06/04/2024	BID SET
08/26/2024	CONSTRUCTION SET

REVISIONS:

TITLE:
Fire Protection Plan

SHEET NUMNBER:
F100

General Plan Symbols

- Plan Revision Number
- Detail Number on Sheet (1) / Sheet Number Where Detail is Placed (M100)
- Keynote Symbol (1)
- Continuation Symbol
- Point Where New Connects To Existing
- Room Name / Number (Room 4)
- Area Being Demolished
- Area Not In Contract

Abbreviations

A, Amp	Ampere	N.C.	Normally Closed
ABV	Above	N.O.	Normally Open
ADA	Americans with Disabilities Act	NC	Noise Criteria
ADD	Addendum	NIC	Not In Contract
AFF	Above Finished Floor	NO. #	Number
AFG	Above Finished Grade	NTS	Not To Scale
AFV	Air Face Velocity	OAT	Outdoor Air Temperature
AFUE	Annual Fuel Utilization Efficiency	OBD	Opposed Blade Damper
AHRI	Air Conditioning, Heating and Refrigeration Institute	OC	On Center
		O/H	Overhead
AHJ	Authority Having Jurisdiction	PC	Plumbing Contractor
ALT	Alternate	PD	Pressure Drop
AP	Access Panel	PH	Phase
APD	Air Pressure Drop	PLBG	Plumbing
APPROX	Approximately	PRESS	Pressure
ARCH	Architect, Architectural	PRI	Primary
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers	PSI	Pounds per Square Inch
		PSIG	Pounds per Square Inch Gauge
ASPE	American Society of Plumbing Engineers	PWR	Power
		QTY	Quantity
AUX	Auxiliary	RD	Roof Drain
BFF	Below Finished Floor	REC	Recessed
BFG	Below Finished Grade	RED	Reducer
BLDG	Building	RH	Relative Humidity
BMS	Building Management System	RM	Room
BLW	Below	RPM	Revolutions Per Minute
BTU	British Thermal Units	RTU	Packaged Rooftop Unit
BTUH	British Thermal Units Per Hour	(R)	Relocated
CAP	Capacity	SAT	Supply Air Temperature
CFM	Cubic Feet Per Minute	SF	Square Foot
CLG	Ceiling	SD	Smoke Damper
CONST	Construction	SHR	Sensible Heat Ratio
CONT	Continuation or Continuous	SM	Surface Mount
CONTR	Contractor	SP	Static Pressure
CU	Condensing Unit	SS	Stainless Steel
D	Degree	STD	Standard
DB	Dry Bulb	SYM	Symmetrical
DET	Detail	T	Thermostat
DIA	Diameter	TD	Temperature Drop
DN	Down	TEMP	Temperature
DWG	Drawing	TYP	Typical
EA	Each	UNO	Unless Noted Otherwise
EAT	Entering Air Temperature	U/G	Underground
EC	Electrical Contractor	V	Volt
EDD	Entering Dry-Bulb Temperature	VERT	Vertical
EF	Exhaust Fan	VFD	Variable Frequency Drive
ELEC	Electric, Electrical	VSC	Variable Speed Controller
EQUIP	Equipment	W	Watt
EMS	Energy Management System	WB	Wet Bulb
EWB	Entering Wet-Bulb Temperature	WIC	Walk-In Cooler
EWC	Electric Water Cooler	WPD	Water Pressure Drop
EWH	Electric Water Heater	W/	With
EWT	Entering Water Temperature	W/O	Without
EXH	Exhaust		
(E)	Existing	∠	Angle
°F	Degrees Fahrenheit	@	At
FD	Floor Drain	Δ	Delta
FL	Floor	'	Feet
FLA	Full Load Amps	"	Inches
FOH	Front Of House	#	Number
FPM	Feet Per Minute	Ø	Diameter
FT	Foot/Feet	℄	Center Line
GAL	Gallon	°	Degree
GF	Gas-Fired		
GC	General Contractor		
GPM	Gallons Per Minute		
GYP	Gypsum Board		
HD	Kitchen Hood		
HORIZ	Horizontal		
HP	Horse Power		
HTG	Heating		
HVAC	Heating, Ventilating and Air Conditioning		
IN	Inch		
INV	Invert		
KW	Kilowatt		
KWH	Kilowatt Hour		
LB	Pound		
LAT	Leaving Air Temperature		
LDB	Leaving Dry-Bulb Temp.		
LVR	Louver		
LWB	Leaving Wet-Bulb Temp.		
LWT	Leaving Water Temperature		
LL	Landlord		
MAX	Maximum		
MAU	Makeup Air Unit		
MBH	One Thousand Btu Per Hour		
MC	Mechanical Contractor		
MCA	Minimum Circuit Ampacity		
MCF	One Thousand Cubic Feet		
MCWB	Mean Coincidence Wet-Bulb		
MD	Motorized Damper		
MECH	Mechanical		
MFR	Manufacturer		
MIN	Minimum		
MISC	Miscellaneous		
MTR	Motor		

HVAC Symbols

- 24"x12" — Sq. Duct Size (Width x Height)
- 24"/12" — Oval Duct Size (Width / Height)
- 18"Ø — Round Duct Size (Diameter)
- (E) — Existing Duct To Remain
- Duct To Be Demolished
- S/A — Supply Air
- V/A — Ventilation Air
- O/A — Outdoor Air
- R/A — Return Air
- T/A — Transfer Air
- E/A — General Exhaust Air
- CEH — Condensate Exhaust Hood
- KED — Kitchen Exhaust Duct
- FLUE — Flue Gas Vent
- C/A — Combustion Air
- Rect. Supply Duct Rise / Drop
- Round Supply Duct Rise / Drop
- Rect. Return Duct Rise / Drop
- Round Return Duct Rise / Drop
- Rect. Exhaust Duct Rise / Drop
- Round Exhaust Duct Rise / Drop

Grille, Register, Diffusers

Perforated Ceiling Diffuser — CD1 | 500 / 14"Ø/24x24 / 28 | H15/23/33
- Type (See Schedule)
- Airflow
- Neck Size / Module Size
- Catalog Throw Performance
- Throw Pattern
- Max NC Rating

Perforated Ceiling Return — RG1 | 2000 / 24x24
- Airflow
- Module Size

Adjustable Turbo Nozzle — SR1 | 120 / 6"Ø
- Airflow
- Neck Size

Double Deflection Supply Register — SR2 | 500 / 18"x10" / AFF:11' - 0"
- Airflow
- Nominal Duct Size
- Mounting Elevation (Centerline)

Perforated Ceiling Return — RG2 | 800 / 14"x14" / AFF:10' - 0"
- Airflow
- Nominal Duct Size
- Mounting Elevation (Centerline)

Mechanical Equipment

- RTU-X — Unit Identity; 10.0 ton — Nominal Cooling Capacity
- RTU-X — 250000 Btu/h — Heating Capacity; 250 CFH — Gas Supply Input Rate
- EF-X — 220 lb — Operating Weight
- (E)AHU-X — Existing to Remain Equipment
- (R)AHU-X — Existing Relocated Equipment
- Equipment to be Demolished

Damper Types

- Manual Damper
- Motorized Damper
- Backdraft Damper
- Smoke Damper
- Fire Damper
- Comb. Fire/Smoke Damper

Mechanical Devices

- Duct Smoke Detector
- A/V — Audio/Visual Remote Smoke Detector Annunciator w/ Remote Key Operated Reset
- TS RTU-1 — Unit Identity; GridPoint Zone Sensor
- T — GridPoint Thermostat Control
- S — GridPoint Duct Supply Probe

Mechanical Piping Symbols

- 2" — Nominal Pipe Size
- Above Ground Piping
- Below Ground Piping
- 1/8" / 12" Slope — Pipe Slope (When Applicable)
- (E) — Existing Pipe To Remain
- Pipe To Be Demolished
- CHWR — Chilled-Water Return
- CHWS — Chilled-Water Supply
- CD — Condensate Drain
- CWR — Condenser-Water Return
- CWS — Condenser-Water Supply
- GWR — Geothermal-Water Return
- GWS — Geothermal-Water Supply
- HWR — Hot-Water Return
- HWS — Hot-Water Supply
- G — Natural Gas
- LP — Liquid Propane
- RL — Refrigerant Liquid
- RS — Refrigerant Gas
- RD — Refrigerant Discharge
- STM — Steam Supply
- CDR — Steam Condensate Return
- Pipe Rise / Drop

Valve Types

- 2" SHUTOFF — Ball Valve
- 2" BAL — Balancing Valve
- 2" BFV — Butterfly Valve
- 2" CHECK — Check Valve
- 2" CHECK — Alternate Check Valve
- 3" CIRC — Circuit Setter
- 2" GATE — Gate Valve
- 2" GLOBE — Globe Valve
- 2" LOCK — Locked Shield Valve
- 2" PRV — Pressure Reducing Valve
- 2" QUICK — Quick Opening Valve
- 2" STRAIN — Fluid Strainer
- 2" M-CNTRL — Elec. Control Valve
- 4" 3-WAY CNTRL — 3-Way Elec. Valve
- 1" GAS-CNTRL SOLENOID — Emergency Gas Shutoff
- 1" PLUG — Plug Valve
- 1" GAS COCK — Gas Shutoff Cock
- 1" REG — Gas Regulator

NOTE: All of the General Notes on this sheet are to be applied to all other drawings in this set. The Symbols and Abbreviations shown on this sheet may or may not be used in this set of drawings.

HVAC Specification

SECTION 15732 - Packaged Rooftop Air Conditioning Units
Part 1 - General
1.1 Section Requirements
A. Submittal: Product Data and Shop Drawings
B. Comply with ASHRAE 15.
C. EER: Equal to or greater than prescribed by the energy code adopted by the Authority Having Jurisdiction.
D. Warranties: Submit a written warranty, signed by the manufacturer, agreeing to the repair or replacement of components that fail within 5 years of Substantial Completion.

Part 2 - Products
2.1 Packaged Units, 5 to 20 tons
A. Factory assembled and tested, consisting of compressors, condensers, evaporator coils, condenser and evaporator fans, refrigeration and temperature controls, filters, and dampers.
1. Refer to Rooftop Unit Schedule on drawing M600 for capacities and manufacturers.
2. Evaporator Fans: Belt or direct driven, forward curved centrifugal.
3. Exhaust/Relief Fans: Direct drive, forward curved centrifugal or propeller.
4. Condenser Fans: Direct drive propeller.
5. Refrigerant Coils: Aluminum fins and copper coil
6. Compressors: Serviceable hermetic or fully hermetic, with safety controls, hot gas bypass, and timed off controls.
7. Heat Exchangers: Gas fired, with gas controls, electronic ignition, high limit cutout, and forced draft proving switch.
8. Economizer controls (comparative Enthalpy, 100% capacity)
9. Smoke Detectors: Photoelectric in supply and/or return as called for in schedule on sheet M600.
10. Operating controls: Two stage heating and two stage cooling on units 7-1/2 tons and over.
11. Roof curb.
12. Control Wiring from T-stat to rooftop unit. Shall be 18 GA. / 7 conductor, rated for plenum application.
13. Control Wiring from T-stat to remote sensor: Shall be a separate 18 GA. / 2 conductor shielded, rated for plenum application.

Part 3 - Execution
3.1 Installation
A. Install units level and plumb and firmly anchored.
B. Connect gas piping to burner with pipe same size as gas train inlet, and provide union with sufficient clearance for burner removal and service.
C. Install ducts to termination in roof mounting frames. Terminate ducts through roof structure.
D. Connect units to wiring systems and to ground.
End of Section 15732

Section 15810 - Ducts and Accessories
Part 1 General
1.1 Section Requirements
A. Submittal: Product Data door fire and smoke dampers
B. Comply with NFPA 90B for systems serving spaces more than 25,000 cu ft. in volume or building types II, IV, and V construction for that 3 stories in height.
C. Comply with NFPA 90B for systems serving spaces in 1 or 2 family dwellings or serving spaces less than 25,000 cu. ft.
D. Comply with NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations" for kitchen hood ducts.
E. Comply with UL 181 and UL 181A for ducts and closures.
F. Testing, Adjusting, and Balancing Agency Qualifications: AABC certified (to be furnished by Tenant).

Part 2 Products
2.1 Ducts
A. Spiral Duct: Spiral Lock Seam, without insulation, G90 galvanized finish, ASTM A-653/924
1. Basis of Design Manufacturers: lindab SPIROsafe, Alternates to the basis of design must be submitted for review.
2. Fittings: Factory product standing seam construction with internal sealing. Fitting with a major axis of 36" or smaller shall be 20 GA. Fitting with a major axis of 37"-48" shall be 18 GA.
B. Galvanized Steel Sheet: Forming steel, ASTM A 653/653M, G90 coating designation.
C. Duct Liner: ASTM C 1071, Type II, with an air stream surface coated with a temperature resistant coating. Thickness: 1-1/2 inch, R-value: 8
1. Adhesive: ASTM C 916, Type I.
2. Mechanical Fasteners: Galvanized steel pin, length as required to penetrate liner plus a 1/8 inch projection maximum into the air stream.
D. Joint and Seam Tape: Comply with UL 181A
E. Joint and Seam Sealant: Comply with UL 181A.
F. Rectangular Metal Duct Fabrications: Comply with SMACNA's "HVAC Duct Construction Standard" for metal thickness, reinforcing types and intervals, tie rod applications, and joint types and intervals.
2.2 Accessories
A. Volume-Control Dampers: Factory fabricated volume control dampers, complete with required hardware and accessories. Single blade and multiple opposed blade, standard leakage rating, and suitable for horizontal or vertical applications.
B. Fire-Dampers: Factory- fabricated fire dampers, complete with required hardware and accessories. UL Labeled according to UL 555, "Fire Dampers".
C. Flexible Connectors: Flame retardant or noncombustible fabrics, coatings, and adhesives complying with UL 181, Class 1.
D. Flexible Ducts: Factory fabricated, insulated, round duct, with an outer jacket enclosing 2 inch thick, glass fiber insulation, R- valve, 6.0, around a continuous inner liner.

Part 3 Execution
3.1 Installation
A. Duct System Pressure Class: Construct and install each duct system with 2 inch positive and negative duct pressure classifications.
B. Conceal ducts from view in finished and occupied spaces. Except where noted as exposed.
C. Avoid passing through electrical equipment spaces and enclosures.
D. Support and connect metal ducts according to SMACNA's "HVAC Duct Construction Standard".
E. Install duct accessories according to applicable portions of details of construction as shown in SMACNA standards.
F. Install liner and/or insulation on ductwork per the material schedule on sheet M010.
G. Install volume control dampers in lined duct with methods to avoid damage to liner and to avoid erosion of duct liner.
H. Install fire and smoke dampers according to manufacturer's UL approved written instructions.
I. Install fusible links in fire dampers
J. Provide saddle taps at tees for exposed ductwork.

3.2 Testing, Adjusting, and Balancing
A. The tenant will supply an independent balance agent to balance and adjust the HVAC installations. The balance agent will be responsible for any pulley or belt changes repaired.
B. The GC is to have trained staffed available during the balancing to correct issued noted by the balance agent.
C. The balance agent is to balance airflow within distribution systems, including mains, branches, and terminals to indicated quantities +/- 10%. The hood exhaust system shall be balanced to a tolerance of +/- 10% and the make up air system to a tolerance of +/- 10%.
D. The balance agent is to supply a copy of the balance report to the Tenant, engineer and general contractor for review.
End of Section 15810

SECTION 15855 - Diffusers, Registers, and Grilles
Part 1 - General
1.1 Section Requirements
A. Submittal: None.

Part 2 - Products
2.1 Outlets and Inlets
A. All air terminal devices:
1. Refer to Grills, Registers, and Diffusers Schedule for equipment schedule.
2. Manufacturer: As scheduled (NO SUBSTITUTIONS).
3. Material: As scheduled.
4. Finish: As scheduled.
5. Mounting: As scheduled.

Part 3 - Execution
3.1 Installation
A. Coordinate location and installation with duct installation and installation of other ceiling and wall mounted items.
B. Locate ceiling diffusers, registers, and grilles, as indicated on the architectural "reflected ceiling plans." Unless otherwise indicated, locate units in center of acoustical ceiling panels.
End of Section 15855

HVAC General Notes

A. General notes apply to HVAC sheets.

B. Work shall comply with state and location code requirements as approved and amended by the authority having jurisdiction, including applicable sections of NFPA, the Mechanical Code, and any interim amendments at the time of the proposal. Purchase permits associated with the work. Obtain inspections required by code. See architectural sheets for prevailing codes.

C. Contractor and subcontractors shall review a complete set of the construction documents.

D. Coordinate work with the work of other trades, equipment furnished by others, requirements of the owner, and of the existing conditions at the project site.

E. Drawings for the mechanical work are diagrammatic, showing the general location, type, layout, and equipment required. The drawings shall not be scaled for exact measurements, refer to architectural drawings for dimensions. Refer to manufacturer's standard installation drawings for equipment connections and installation requirements. Provide ductwork, connections, offsets, accessories, and materials necessary for a complete system.

F. Duct dimensions on plans indicate dimensions of internal free area.

G. Perforated ceiling diffusers shall be 4-way unless noted otherwise.

H. Coordinate roof work with the owner's construction manager prior to construction.

I. Unless noted otherwise rectangular duct elbows greater than 45 degrees shall be mitered elbows with double-thickness turning vanes and rectangular duct elbows 45 degrees or less shall be radius elbows with an inside radius of at least 1/2 the width of the duct.

J. Replace air filters with new, clean MERV 8 air filters at turnover.

K. The term "Furnish" means supply and deliver to the project site, ready for unloading, unpacking, assembly, installation, and similar operations. The term "install" describes the operations at the project site including the actual unloading, unpacking, assembly, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protect, cleaning, and similar operations. The term "Provide" means to furnish and install, complete and ready for the intended use.

L. Install labeling called for in the mechanical drawings using engraved phenolic plates (white with black lettering).

M. Provide P3000 12 GA. unistrut with PG finish for duct supports and other unistrut in areas exposed to view. Slotted unistrut and other unistrut with holes is not acceptable.

Responsibility Definitions

GC	General Contractor
LL	Landlord
CO2AS	Tenant's CO2 Alarm Supplier
HES	Tenant's HVAC Equipment Supplier
HS	Tenant's Hood Supplier
KES	Tenant's Kitchen Equipment Supplier
MSS	Tenant's Music Systems Supplier
SPS	Tenant's Soda Pop Supplier
TAB	Tenant's Test And Balance Vendor
TCC	Tenant's Cabling Contractor
TDC	Tenant's Duct Cleaner
TEMS	Tenant's Energy Management System Supplier
TLS	Tenant's Light/Lamp Supplier
TMB	Tenant's Menu Board Supplier
TMS	Tenant's Millwork Supplier
TP	Tenant's Phone Supplier
TPS	Tenant's Panelboard Supplier
TRS	Tenant's Railing Supplier
TSV	Tenant's Sign Vendor
TUV	Tenant's UV Sanitizer Supplier
WCS	Tenant's Walk-In Cooler Supplier
WHS	Tenant's Water Heater Supplier

Duct Material Schedule

Application	Allowable Material
Concealed General Exhaust	Rect. or round as shown
Concealed Return	Rect. or round as shown, lined or insulated
Concealed Supply	Rect. or round as shown, lined or insulated
Exposed General Exhaust	Rect. with no exposed duct-sealing mastic
Exposed Return	Rect. with no exposed duct-sealing mastic
Exposed Supply	Rect. lined or round as shown with no exposed duct-sealing mastic
Type I Hood Exhaust	Rect. 16 GA. black iron w/ wrap or UL 1978 factory-manufactured duct w/ wrap (Submit shop drawings for factory manufactured duct for approval prior to ordering)

HVAC SHEET INDEX

M010 HVAC Title Sheet
M100 HVAC Plan
M600 HVAC Schedules
M700 HVAC Details

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DATE 08-26-2024 LIC. NO. 47183

PROJECT NO. 2023-0144
DRAWN BY PAS
CHECKED BY LAO

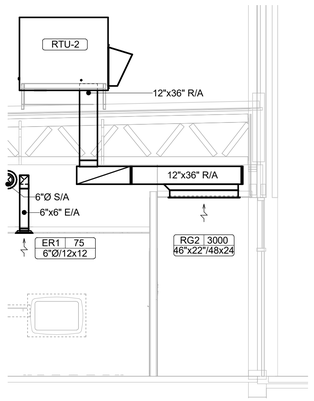
ISSUE RECORD:

04/11/2024	PERMIT SET
06/04/2024	BID SET
08/26/2024	CONSTRUCTION SET

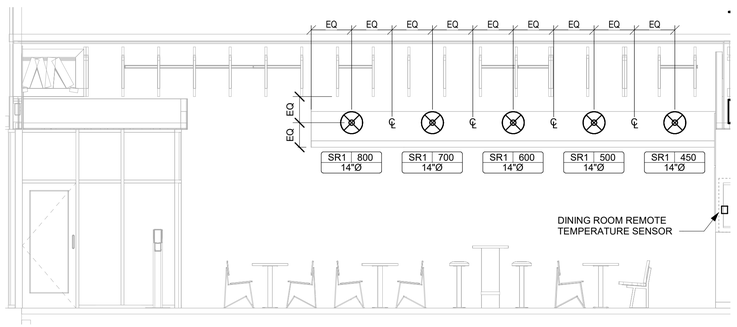
REVISIONS:

TITLE:
HVAC Title Sheet

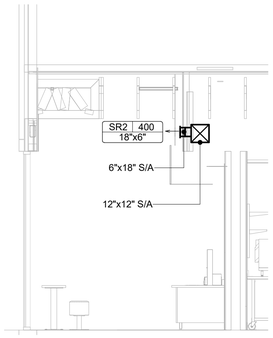
SHEET NUMNBER:
M010



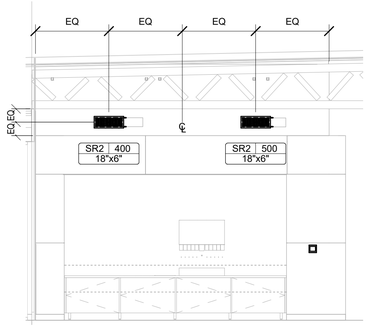
6 M100 HVAC Dining Room Return Section
1/4" = 1'-0"



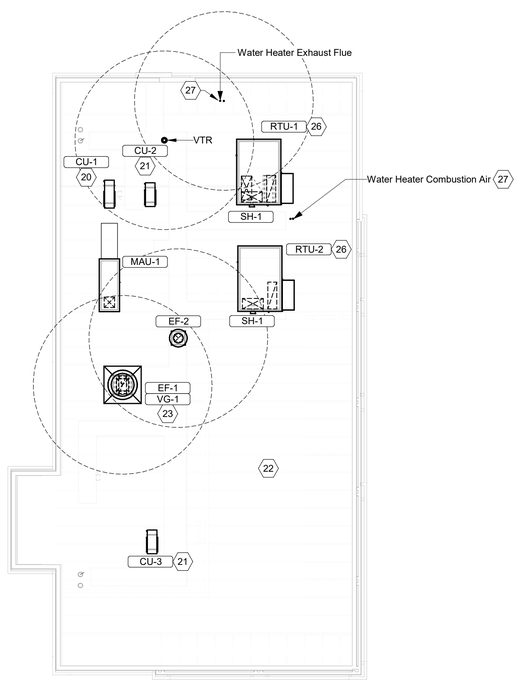
4 M100 HVAC Dining Room Section
1/4" = 1'-0"



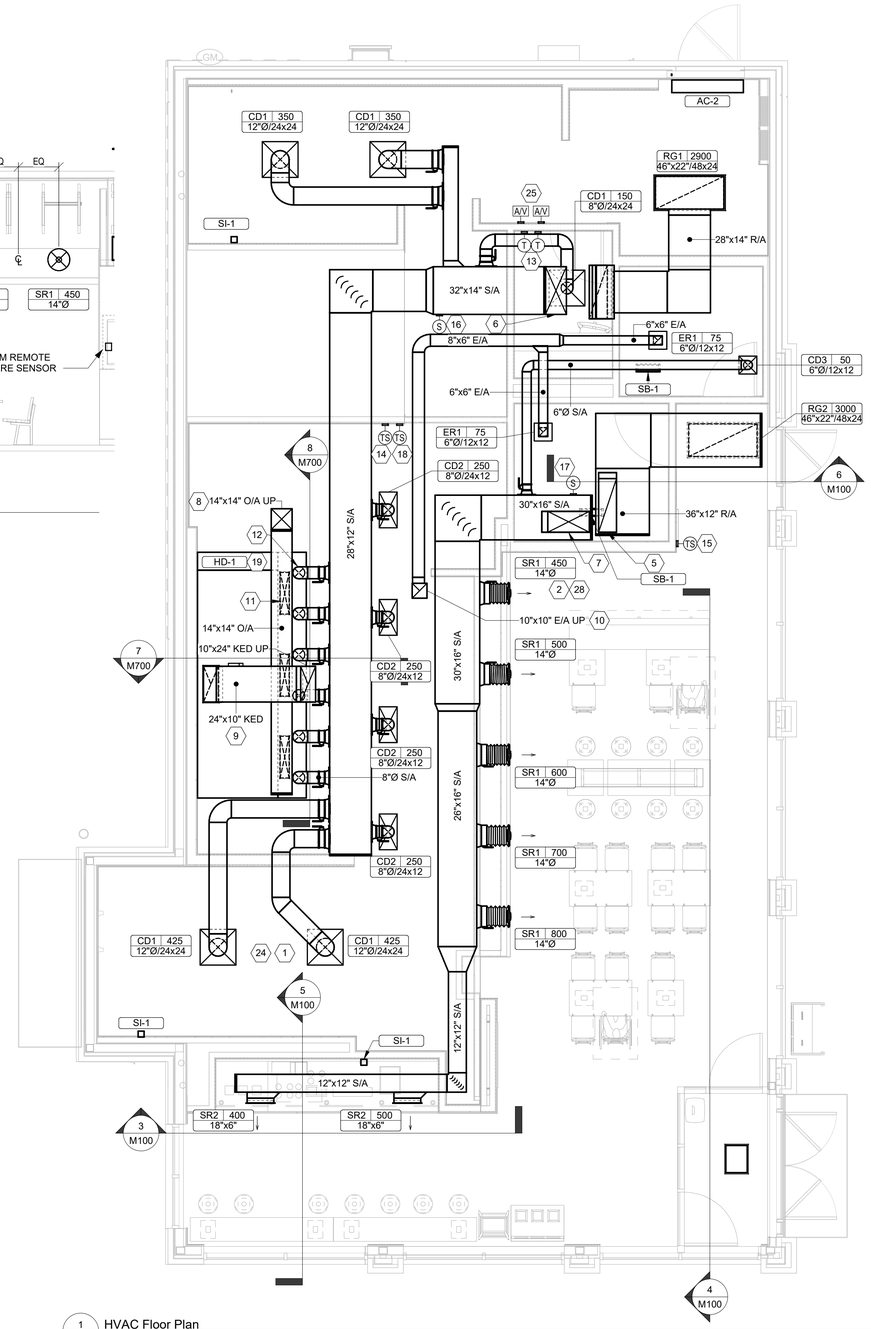
5 M100 HVAC Fountain Area Section
1/4" = 1'-0"



3 M100 HVAC Fountain Area Front Section
1/4" = 1'-0"



2 M100 HVAC Roof Plan
1/8" = 1'-0"



1 M100 HVAC Floor Plan
1/4" = 1'-0"

HVAC Plan Notes

1. See architectural reflected ceiling plan for ceiling mounted equipment location. Typical.
2. Paint ductwork visible through dining room supply registers black. Typical.
3. Not used.
4. Duct up for transition to RTU-1 return connection in roof curb. RTU-1 shall have an integral smoke detector mounted in the return air stream. Interlock smoke detector to RTU-1 operation.
5. Duct up for transition to RTU-2 return connection in roof curb. RTU-2 shall have an integral smoke detector mounted in the return air stream. Interlock smoke detector to RTU-2 operation.
6. Duct up from building supply through roof. Transition to RTU-1 supply connection in roof curb.
7. Duct up from building supply through roof. Transition to RTU-2 supply connection in roof curb.
8. Duct up through roof. Transition to MAU-1 supply connection in roof curb.
9. Duct up from hood through roof to EF-1 compliant with NFPA 96. Provide radius elbows with an inside radius of 0.5W at elbows in grease duct.
10. Duct up through roof to EF-2.
11. 28/6 duct down to makeup air PSP duct connection. Transition to supply plenum opening size. Typical of 3. Cap unused duct connections.
12. 8" dia. duct down to AC PSP duct connection. Transition to supply plenum opening size. Typical. Cap unused duct connections.
13. Install GridPoint thermostats furnished by TEMS for RTU-1 and RTU-2 at this location at 48" AFF. Coordinate with electrical switching in this area. Provide wiring as shown in detail 8/E710.
14. Install GridPoint zone sensor module furnished by TEMS for RTU-1 at this location 72" AFF directly to wall (no junction box). Coordinate location with equipment. Provide wiring as shown in detail 8/E710.
15. Install GridPoint zone sensor module furnished by TEMS for RTU-2 at this location 66" AFF directly to wall (No junction box) Coordinate location with equipment. Provide wiring as shown in detail 8/E710.
16. Install GridPoint supply probe furnished by TEMS for RTU-1 in the supply ductwork upstream from the first branch connection. Provide wiring as shown in detail 8/E710.
17. Install GridPoint supply probe furnished by TEMS for RTU-2 in the supply ductwork upstream from the first branch connection. Provide wiring as shown in detail 8/E710.
18. Install remote temperature sensor for hood HD-1 at this location 72" AFF. Coordinate location with equipment. Provide (2) #18 G. thermistor cable from temperature sensor to hood control panel.
19. Install kitchen hood, HD-1. Support hood per manufacturer's installation instructions and as detailed in the architectural and structural drawings. Install hood according to the requirements of its listing, in compliance with NFPA 96, the building code, and authorities having jurisdiction. Hood shall have an integral duct collar temperature sensor to automatically energize the exhaust and makeup air fans if cooking temperatures are detected. Exhaust duct system to be welded or factory-manufactured water and airtight. Install cleanouts per code and as shown. Install hood per details 2,4, and 9/M700. Chipotle will provide an independent testing agency for testing the integrity of the grease duct system.
20. Install remote condensing unit for walk-in cooler on roof as detailed in the architectural and structural drawings. Install refrigerant line set, thermostatic expansion valve, solenoid valve, temperature control, sight glass, filter drier, pressure control, low ambient controls, and weatherproof housing. Trap and slope refrigerant lines per manufacturer's recommendations. Installation shall comply with ASHRAE/ANSI Standard 15. Install the refrigerant line set under the roof deck to within 3' of the condensing unit. Cut 2-1/2" hole in walk-in cooler roof for refrigerant line set and seal per the cooler manufacturer's installation instructions after line set is installed.
21. Install remote condenser for ice machine on roof as detailed in the architectural and structural drawings. Install refrigerant line set, thermostatic expansion valve, solenoid valve, temperature control, sight glass, filter drier, pressure control, low ambient controls, and weatherproof housing. Trap and slope refrigerant lines per manufacturer's recommendations. Seal piping penetrations through roof. Installation shall comply with ASHRAE/ANSI Standard 15. Install the refrigerant line set under the roof deck to within 3' of the remote condenser. If refrigerant piping to ice maker is exposed to public view conceal within a stainless-steel shroud as shown in the architectural drawings.
22. Install rooftop equipment per manufacturer's installation instructions and as detailed in the architectural and structural drawings.
23. Install Exhaust fan EF-1 per detail 5/M700 and as detailed in the architectural and structural drawings. Install grease ViroGuard system furnished by Chipotle on exhaust fan, EF-1.
24. Provide supply diffuser connection to supply system per detail 1/M700. Typical.
25. Provide audio/visual remote smoke detector annunciator with remote key operated reset. Wire a unit back to each smoke detector. Mount unit 60" AFF. Typical.
26. Install REME HALO air purifier furnished by TUV in RTU per detail 6/M700. See electrical drawings for power connection information. Install UV warning stickers on face of enclosure per detail and on any RTU access door(s) through which the REME HALO would be visible if opened.
27. Maintain 10' clearance between water heater flue termination and outside air intakes. Maintain 10' clearance between water heater combustion air intake and exhaust fan discharge. See plumbing drawings for more information on water heater flue and combustion air terminations.
28. Adjust supply registers so that supply air hits wall on opposite side of room at approximately 7' AFF with no drafts felt in the dining room. Typical.

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DRAWN BY	PAS
CHECKED BY	LAO

ISSUE RECORD:

04/11/2024	PERMIT SET
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08/26/2024	CONSTRUCTION SET

REVISIONS:

TITLE:
HVAC Plan

SHEET NUMNBER:
M100

Air Balance Schedule

Identity	Supply Flow	Intake Flow	Return Flow	Exhaust Flow	Net Pressurization
EF-1				2550 CFM	-2550 CFM
EF-2				150 CFM	-150 CFM
MAU-1	1300 CFM	1300 CFM	0 CFM		1300 CFM
RTU-1	3400 CFM	500 CFM	2900 CFM		500 CFM
RTU-2	4000 CFM	1000 CFM	3000 CFM		1000 CFM
Grand total					100 CFM

Viroguard Schedule

Identity	Count	Description	Duct Connection Size		Fan	Furnished By	Installed By	Basis of Design Manufacturer
			Width	Height				
VG-1	1	Viroguard Hood Exhaust Fan Rooftop Containment System	16"	16"	EF-1	TDC	GC	enVIROmatic

Air Curtain Schedule

Identity	Description	Airflow	Electrical				Weight	Furnished By	Installed By	Basis of Design		Specification
			Heating Element	Motor Power	Voltage	Phase				Manufacturer	Model	
AC-2	Unheated Air Curtain	1360 CFM	0.0 kW	0.20 hp	120 V	1	42 lb	GC	GC	Berner	SLC07-1048AA	Provide with door limit switch and wall mounting brackets.

Sanitizing Equipment Schedule

Identity	Count	Description	Furnished By	Installed By	Basis of Design		Specification
					Manufacturer	Model	
SB-1	2	Bathroom Air Purification Unit	TUV	GC	RGF Environmental Group	BRU Assembly	See Electrical Sheets for connection information.
SH-1	2	HVAC Air Purification Unit	TUV	GC	RGF Environmental Group	REME-Halo	See Detail 6/M700 for installation information.
SI-1	3	Ice Machine Treatment System	TUV	GC	RGF Environmental Group	IMS-G-BA	See Plumbing Sheets for installation information.

Grilles, Registers & Diffusers Schedule

Identity	Description	Face Size	Material	Finish	Mounting	Furnished By	Installed By	Basis of Design		Specification
								Manufacturer	Model	
CD1	Perforated Ceiling Diffuser	24x24	Aluminum	White	Lay-In Full Face	GC	GC	Nailor	4320A Type L	Provide with integral OBD.
CD2	Perforated Ceiling Diffuser	24x12	Aluminum	White	Lay-In Full Face	GC	GC	Nailor	4320A Type L	Provide with integral OBD, remove 4-way deflectors.
CD3	Ceiling Diffuser	12x12	Aluminum	White Enamel	Surface Mount	GC	GC	Nailor	4320A Type S	Provide with integral OBD.
ER1	Perforated Ceiling Exhaust	12x12	Aluminum	White	Surface Mount	GC	GC	Nailor	4330R Type S	Provide with integral OBD.
RG1	Perforated Ceiling Return	48x24	Aluminum	White	Lay-In Full Face	GC	GC	Nailor	4330R Type L	
RG2	Perforated Ceiling Return	48x24	Aluminum	White	Lay-In Full Face	GC	GC	Nailor	4330R Type S	
SR1	Adjustable Turbo Nozzle		Aluminum	White	Surface Mount	GC	GC	Air Concepts	ANR-14	Provide with concealed mounting and face-accessible OBD. See neck size on plans.
SR2	Double Deflection Supply Register		Aluminum	White	Surface Mount	GC	GC	Nailor	51DH	Provide with integral OBD. See neck size on plans.

Condensing Unit Schedule

Identity	Description	Refrigerant		Product Weight	Electrical		Furnished By	Installed By	Basis of Design		Specification
		Type	Charge		Voltage	Phase			Manufacturer	Model	
CU-1	Condensing Unit - Walk-In Cooler	R-404A	10.40 lbm	250 lb	208 V	3	WCS	GC	Harford	KPCL99MZOP-3E	Furnished with walk-in cooler.
CU-2	Remote Condenser - Low Capacity Ice Maker	R-404A	11.46 lbm	100 lb	120 V	1	KES	GC	Hoshizaki	URC-9FZ	Furnished with ice maker.
CU-3	Remote Condenser - Soda Machine Ice Maker	R-404A	3.86 lbm	100 lb	120 V	1	KES	GC	Hoshizaki	URC-5FZ	Furnished with ice maker.

HVAC Control Functions

A. The main cooking exhaust fan (EF-1) and makeup air unit (MAU-1) shall be interlocked to operate together. This control circuit is activated by a switch and includes a fire protection override.

B. The temperature in each zone is controlled by space temperature sensors connected to the thermostats located in the office. All zones shall operate with continuous fan operation during occupied times and intermittently as needed to maintain set points during unoccupied times. Outside air dampers shall be open continuously when either in occupied mode or when the hood system is ON and shall be closed during unoccupied periods.

C. The thermostats shall determine occupied/unoccupied status based on the schedule in the energy management system.

Exhaust Fan Schedule

Identity	Description	Fan Design		Weight	Motor Power	Electrical		Furnished By	Installed By	Basis of Design		Specification
		Airflow	ESP			Voltage	Phase			Manufacturer	Model	
EF-1	Upblast UL762 Exhaust Fan	2550 CFM	1.45 in-wg	220 lb	2.0 hp	208 V	3	HS	GC	CaptiveAire	DU180HFA	Direct drive UL762 listed fan furnished with weatherproof disconnect and vented roof curb.
EF-2	Downblast Restroom Exhaust Fan	150 CFM	0.60 in-wg	81 lb	0.3 hp	120 V	1	HS	GC	CaptiveAire	DR12HFA	Direct drive restroom exhaust fan furnished with integral disconnect, speed control, backdraft damper, and curb.

Make-Up Air Unit Schedule

Identity	Description	Airflow	ESP	Heating			Weight	Electrical			Furnished By	Installed By	Basis of Design		Specification
				Input Rating	Output Rating	EDB		Motor Power	Voltage	Phase			Manufacturer	Model	
MAU-1	Make-Up Air Unit	1300 CFM	0.50 in-wg	225000 Btu/h	220000 Btu/h	-11 °F	650 lb	1.00 hp	208 V	3	HS	GC	CaptiveAire	A1-D.250-15D	12.5:1 Turndown. Furnished with disconnect, roof curb, screen intake, and washable aluminum filters.

Kitchen Hood Schedule

Identity	Description	Max Cooking Temp	Exhaust Plenum					Perforated Supply Plenums							No. of Light Fixtures	Weight	Electrical		Furnished By	Installed By	Basis of Design		Specification
					Duct Collars			MAU Plenum				AC Plenum											
									Duct Collars				Duct Collars										
			Airflow	ESP	Qty	Width	Length	Airflow	Qty	Width	Length	Airflow	Qty	Dia.			Voltage	Phase			Manufacturer	Model	
HD-1	Type I Canopy Hood with Perforated MAU and AC Supply Plenums	600 °F	2550 CFM	0.97 in-wg	1	10"	24"	1300 CFM	3	6"	28"	700 CFM	6	8"	8	1150 lb	120 V	1	HS	GC	CaptiveAire	5424 ND-2-ACPSP-F	Material: 18 GA. Type 430 SS. Furnished with vaporproof incandescent light fixtures, 16" Tall HE SS filters, integral utility cabinet, kitchen exhaust suppression system, duct collar temperature sensor, prewire package, spare fire system dry contact, and 4-Pole 20A contactor.

Rooftop Unit Schedule

Identity	Description	Nominal Capacity	EER	Airflow			Net Cooling Capacity					Heating Capacity			Number of		Refrigerant	Weight	Electrical			Furnished By	Installed By	Basis of Design		Specification
									EAT		Outdoor EDB															
				Total	OA	ESP	Total	Sensible	DB	WB		Input	Output	EAT	Compressors	Circuits	Type		MOCP	Voltage	Phase			Manufacturer	Model	
RTU-1	Kitchen Rooftop Unit	8.5 ton	11.2	3400 CFM	500 CFM	0.80 in-wg	94920 Btu/h	78200 Btu/h	77.3 °F	64.2 °F	95 °F	224000 Btu/h	180000 Btu/h	60 °F	2	2	R-410A	1094 lb	50 A	208 V	3	HES	GC	Carrier	48FCFM09D3M5	Furnished with comp. enthalpy economizer, barometric relief, return smoke dectector w/ remote keyed annunciator/reset, M.O.D., MERV-8 filters, curb, hail guard, tool-less hinged access panels, disconnect, & unit-mounted convenience receptacle.
RTU-2	Dining Room Rooftop Unit	10.0 ton	11	4000 CFM	1000 CFM	0.80 in-wg	117260 Btu/h	87660 Btu/h	78.9 °F	65.4 °F	95 °F	250000 Btu/h	205000 Btu/h	52 °F	2	2	R-410A	1125 lb	60 A	208 V	3	HES	GC	Carrier	48FCFN12D3M5	Furnished with comp. enthalpy economizer, barometric relief, return smoke dectector w/ remote keyed annunciator/reset, M.O.D., MERV-8 filters, curb, hail guard, tool-less hinged access panels, disconnect, & unit-mounted convenience receptacle.

CONSULTANT:

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SIGNATURE:

DATE 08-26-2024 LIC. NO. 47183

PROJECT NO. 2023-0144
DRAWN BY PAS
CHECKED BY LAO

ISSUE RECORD:

04/11/2024	PERMIT SET
06/04/2024	BID SET
08/26/2024	CONSTRUCTION SET

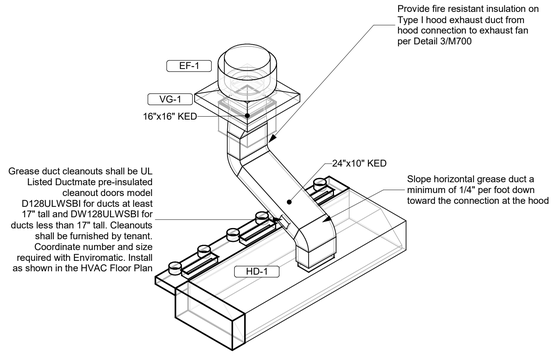
REVISIONS:

TITLE:

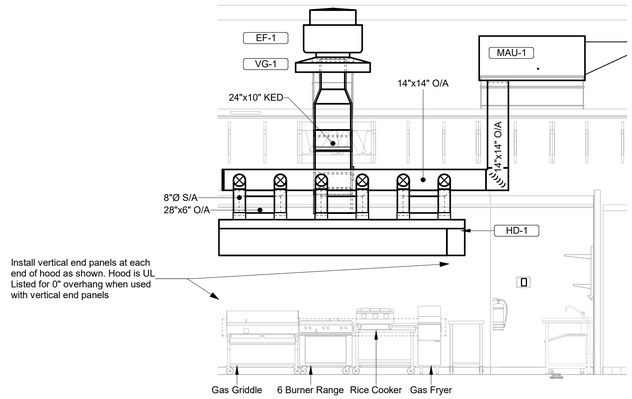
HVAC Schedules

SHEET NUMNBER:

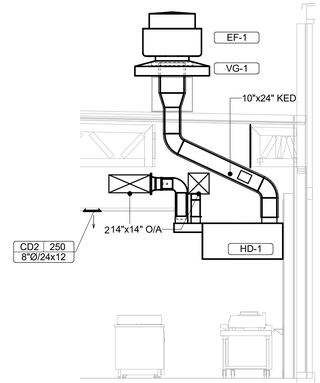
M600



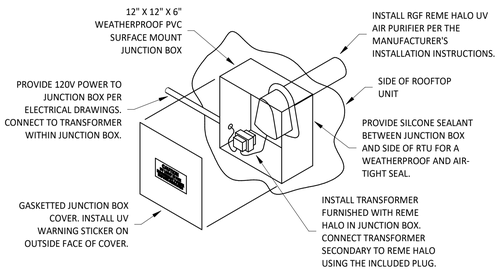
9 / M700 Hood Exhaust Riser
NOT TO SCALE



8 / M700 Hood Elevation
NOT TO SCALE



7 / M700 Duct Section at Hood
NOT TO SCALE



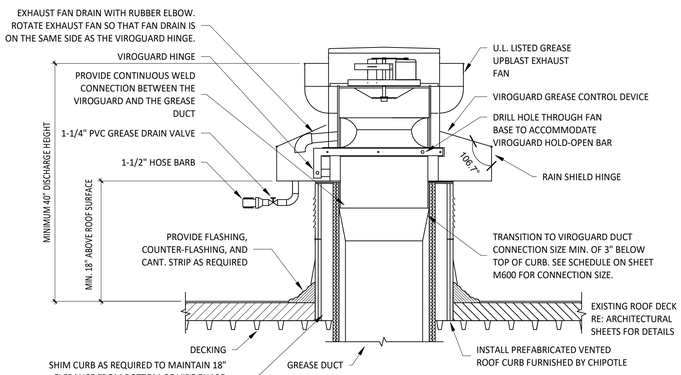
INSTALLATION LOCATION

INSTALL AIR PURIFIER WITH JUNCTION BOX ON OUTSIDE FACE OF ROOFTOP UNIT AND WITH UV LAMP TUBE EXTENDING INTO THE INTERIOR OF THE ROOFTOP UNIT. FIELD VERIFY EXACT LOCATION TO AVOID DAMAGING, TOUCHING, OR INTERFERING WITH ANY RTU INTERIOR COMPONENTS. INSTALLATION LOCATION SHALL BE AS FOLLOWS:

TRANE: INSTALL INTO THE SUPPLY AIR STREAM THROUGH THE REMOVABLE PANEL COVERING THE HORIZONTAL DISCHARGE SUPPLY AIR OPENING.

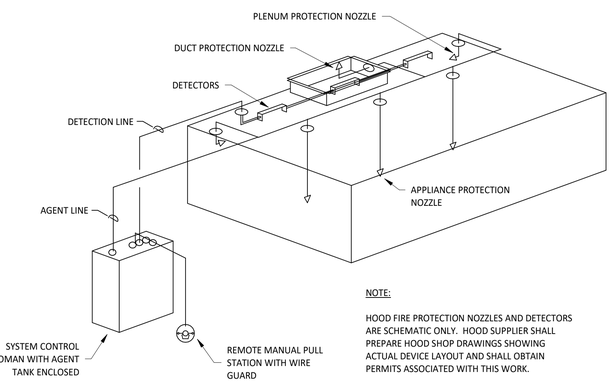
YORK: INSTALL INTO THE SUPPLY AIR PLENUM FROM THE BACK SIDE OF THE UNIT JUST ABOVE THE HEAT EXCHANGER.

6 / M700 UV RTU Detail
NOT TO SCALE



NOTE:
1. INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96 REQUIREMENTS.
2. HINGE FAN SO IT TIPS BACK TOWARD FAN DRAIN AND TOWARD VIROGUARD DRAIN.

5 / M700 Grease Exhaust Fan
NOT TO SCALE



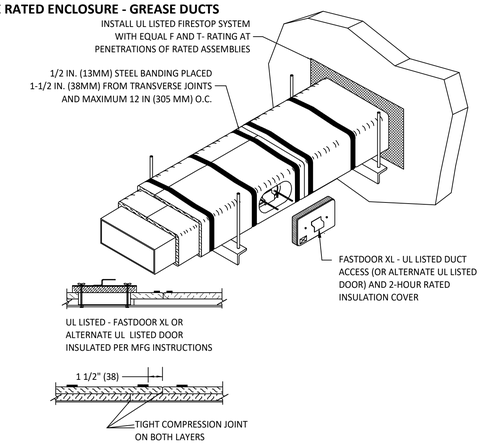
NOTE:

HOOD FIRE PROTECTION NOZZLES AND DETECTORS ARE SCHEMATIC ONLY. HOOD SUPPLIER SHALL PREPARE HOOD SHOP DRAWINGS SHOWING ACTUAL DEVICE LAYOUT AND SHALL OBTAIN PERMITS ASSOCIATED WITH THIS WORK.

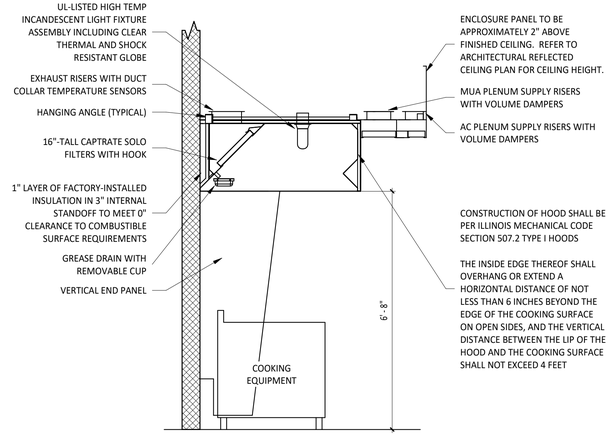
4 / M700 Fire Supression System Schematic
NOT TO SCALE

FIRE RATED ENCLOSURE - GREASE DUCTS

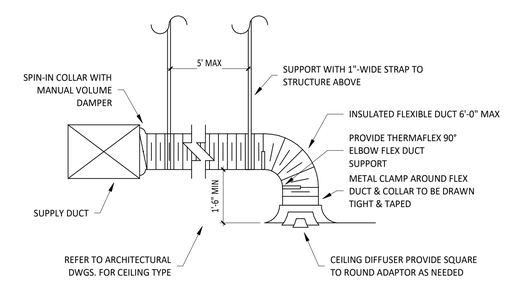
1. THERMAL CERAMICS FIREMASTER FASTWRAP XL IS TESTED TO ASTM E2336 AND UL LISTED PER HNKT.G18 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND TO PROVIDE A 1- OR 2-HOUR ENCLOSURE. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH ASTM E 814 (UL 1479). ICC CODE EVALUATION PER REPORT UL ER 14229-01.
2. COMPLIANT TO THE FOLLOWING CODES:
   - NFPA 96
   - INTERNATIONAL MECHANICAL CODES
   - UNIFORM MECHANICAL CODE.
   - CALIFORNIA MECHANICAL CODE
3. INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON BOTH LAYERS AT ALL JOINTS.
4. MINIMUM 16 GAUGE CARBON STEEL (OR 18 GAGE STAINLESS STEEL) RECTANGULAR OR ROUND GREASE EXHAUST DUCT
5. INSTALL UL LISTED AND LIQUID TIGHT THERMAL CERAMICS FASTDOOR XL ACCESS DOORS, OR ALTERNATE DOOR UL LISTED PER UL1978, AT ALL CHANGES IN DIRECTION AND AT MINIMUM EVERY 20 FT ON HORIZONTAL RUNS.
6. SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED PROVIDED THE HANGER RODS ARE MINIMUM OF 3/8 IN. DIAMETER AND SUPPORTS ARE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT SUPPORT SYSTEM.
7. THERMAL CERAMICS DUCT WRAP SHALL BE INSTALLED DIRECTLY ONTO THE DUCT AND APPLIED FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.
8. THERMAL CERAMICS DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND UL LISTINGS.



3 / M700 Firemaster Duct Wrap
NOT TO SCALE



2 / M700 Hood Section View
NOT TO SCALE



NOTE:
1. METHOD OF INSTALLATION FOR AIRTIGHT SEAL IS TYPICAL FOR ALL FLEX CONNECTIONS TO AIR DISTRIBUTION DEVICES.

1 / M700 Diffuser Connection
NOT TO SCALE

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CHECKED BY	LAO

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REVISIONS:

TITLE:
HVAC Details

SHEET NUMNBER:
M700

General Plan Symbols

- Plan Revision Number
- Detail Number on Sheet / Sheet Number Where Detail is Placed (1 / E010)
- Keynote Symbol (1)
- Continuation Symbol
- Point Where New Connects To Existing
- Room Name / Number (Room 5)
- Area Being Demolished
- Area Not In Contract

Abbreviations

A, Amp	Ampere	N.C.	Normally Closed
ABV	Above	N.O.	Normally Open
ADA	Americans with Disabilities Act	NC	Noise Criteria
ADD	Addendum	NIC	Not In Contract
AFF	Above Finished Floor	NO, #	Number
AFG	Above Finished Grade	NTS	Not To Scale
AFUE	Annual Fuel Utilization Efficiency	OC	On Center
AHRI	Air Conditioning, Heating and Refrigeration Institute	O/H	Overhead
		PC	Plumbing Contractor
AHJ	Authority Having Jurisdiction	PD	Pressure Drop
ALT	Alternate	PH	Phase
AP	Access Panel	PLBG	Plumbing
APPROX	Approximately	PRESS	Pressure
ARCH	Architect, Architectural	PRI	Primary
ASPE	American Society of Plumbing Engineers	PSI	Pounds per Square Inch
		PSIG	Pounds per Square Inch Gauge
AUX	Auxiliary		
BFF	Below Finished Floor	PWR	Power
BFG	Below Finished Grade	QTY	Quantity
BLDG	Building	RD	Roof Drain
BLW	Below	REC	Recessed
BTU	British Thermal Units	RED	Reducer
BTUH	British Thermal Units Per Hour	RM	Room
CAP	Capacity	RPM	Revolutions Per Minute
CLG	Ceiling	RTU	Packaged Rooftop Unit
CONST	Construction	(R)	Relocated
CONT	Continuation or Continuous	SD	Storm Drain
CONTR	Contractor	SF	Square Foot
CW	Domestic Cold Water	SM	Surface Mount
D	Degree	SP	Static Pressure
DET	Detail	SS	Sanitary Drain
DIA	Diameter	STD	Standard
DN	Down	SW	Domestic Softened Cold Water
DWG	Drawing		
EA	Each	SYM	Symmetrical
EC	Electrical Contractor	T	Thermostat
ELEC	Electric, Electrical	TD	Temperature Drop
EQUIP	Equipment	TEMP	Temperature
EWC	Electric Water Cooler	TYP	Typical
EWH	Electric Water Heater	UNO	Unless Noted Otherwise
EWT	Entering Water Temperature	U/G	Underground
(E)	Existing	V	Volt
°F	Degrees Fahrenheit	VERT	Vertical
FCO	Floor Cleanout	VFD	Variable Frequency Drive
FD	Floor Drain	VSC	Variable Speed Controller
FL	Floor	W	Watt
FLA	Full Load Amps	WB	Wet Bulb
FLR	Floor	WIC	Walk-In Cooler
FOH	Front Of House	WPD	Water Pressure Drop
FPM	Feet Per Minute	W/	With
FS	Floor Sink	W/O	Without
FT	Foot/Feet		
FW	Domestic Filtered Cold Water	∠	Angle
GAL	Gallon	@	At
GF	Gas-Fired	Δ	Delta
GC	General Contractor	'	Feet
GCO	Grade Cleanout	"	Inches
GI	Grease Interceptor	#	Number
GPM	Gallons Per Minute	Ø	Diameter
GT	Grease Trap	℄	Center Line
GW	Grease Waste	°	Degree
GYP	Gypsum Board		
HORIZ	Horizontal		
HP	Horse Power		
HW	Domestic Hot Water		
IN	Inch		
INV	Invert		
KW	Kilowatt		
KWH	Kilowatt Hour		
LB	Pound		
LWT	Leaving Water Temperature		
LL	Landlord		
MAX	Maximum		
MBH	One Thousand Btu Per Hour		
MC	Mechanical Contractor		
MCA	Minimum Circuit Ampacity		
MCF	One Thousand Cubic Feet		
MECH	Mechanical		
MFR	Manufacturer		
MIN	Minimum		
MISC	Miscellaneous		
MTR	Motor		

Plumbing Symbols

- 2" — Nominal Pipe Size
- Above Ground Piping
- Below Ground Piping
- 1/8" / 12" Slope — Pipe Slope (When Applicable)
- (E) — Existing Pipe To Remain
- Pipe To Be Demolished
- CW — Domestic Cold-Water
- NPW — Non-Potable Water
- SW — Soft Cold-Water
- FW — Filtered Cold-Water
- RO — Reverse Osmosis Water
- HW — Domestic Hot-Water
- HW 140° — Domestic Hot-Water 140°
- HW-R — Hot-Water Recirculation
- HW-R 140° — Hot-Water Recirculation 140°
- SS — Sanitary Drain
- V — Sanitary Vent
- WV — Sanitary Wet Vent
- CWV — Combination DWV
- CD — Condensate Drain
- ID — Indirect Drain
- GW — Grease Waste
- GV — Grease Vent
- OW — Oil Waste
- OV — Oil Vent
- PD — Pump Discharge
- SHWR — Solar Water Return
- SHWS — Solar Water Supply
- SD — Storm Drain
- OSD — Storm Overflow
- CA — Compressed Air
- G — Natural Gas
- LP — Liquid Propane
- Pipe Rise / Drop

Pipe Accessory Notes

- 4" FCO-2 — Floor Cleanout
- 2" BACKWATER — Swing Check
- 2" CHECK — Check Valve
- 2" CHECK — Alternate Check Valve
- 2" BALANCE — Balancing Valve
- 2" CIRC — Circuit Setter
- 2" GATE — Gate Valve
- 2" QUICK — Quick Opening Valve
- 2" S/O — Ball Valve
- 2" STRAIN — Fluid Strainer
- 1" GAS-CNTRL SOLENOID — Emergency Gas Shutoff
- 1" PLUG — Plug Valve
- 1" GAS COCK — Gas Shutoff Cock
- 1" REG — Gas Regulator
- 1" T/V — Thermostatic Valve
- PRIMER — Trap Primer
- 2" M-CNTRL — Elec. Control Valve
- TMV-XT/P — Mixing Valve
- TMVEM — Emergency Mixer
- 2" PRV — Pressure Reducing Valve
- 2" METER — Water Meter
- 1 1/2" METER — Irrigation Meter
- Double Check Valve
- Reduced Pressure Zone

Plumbing Fixture Notes

- Floor Drain — Design Pipe Size
- 2" FD-1 / 2 DFU — Identity Type / Drainage Fixture Units
- 2" FD-1P — Floor Drain w/ Trap Primer "P" Indicates Primer Connection
- 2" FNL-1 — Hub Drain (Funnel Type)
- 3" FS-1 — Floor Sink
- 4" RD-1 — Primary Roof Drain
- 4" RD-2 / 1500 SF — Overflow Roof Drain / Rainfall Surface Area
- 3" DN-1 — Downspout Cover

NOTE: All of the General Notes on this sheet are to be applied to all other drawings in this set. The Symbols and Abbreviations shown on this sheet may or may not be used in this set of drawings.

Plumbing Specification

Section 15055 - Common Piping Requirements
Part 1 - General
A. Section Requirements
1. Comply with the requirements of the Building Code and the local authority having jurisdiction.
Part 2 - Products
2.1 Supporting Devices
A. Hanger and Pipe Attachments: Factory fabricated with galvanized coating; nonmetallic coated for hangers in direct contact with copper tubing.
B. Building Attachments: Power actuated type, drive pin attachments with pullout and shear capacities appropriate for supported loads and building materials; UL listing and FM approval for fire protection systems.
C. Mechanical Anchor Fasteners: Insert-type attachments with pullout and shear capacities appropriate for supported loads and building materials; UL listing and FM approval for fire protection systems.
Part 3 - Execution
3.1 Installation
A. Install piping free of sags and bends.
B. Install fitting for changes in direction and branch connections.
C. Install sleeves for pipes passing through concrete and masonry walls, gypsum board partitions, concrete floor, and roof slabs.
D. Exterior Wall, Pipe Penetrations: Mechanical sleeve seals installed in steel or cast iron pipes for wall sleeves.
E. Fire Barrier Penetrations: Seal pipe penetrations with through-penetration firestop systems.
F. Install unions adjacent to each valve and at final connection to each piece of equipment.
G. Install dielectric unions and flanges to connect piping materials of dissimilar metals in gas piping.
H. Install dielectric coupling and nipple fittings to connect piping materials of dissimilar metals in water piping.
I. Provide full ring escutcheons at plumbing penetrations through walls or ceilings. Tightly seal escutcheons to the adjacent surface.
3.2 Hanger and Supports
A. Install building attachments within concrete or to structural steel. Install additional attachments at concentrated loads, including valves, flanges, guides, strainers, expansion joints, and at changes in direction of piping.
B. Install powder actuated drive pin fasteners in concrete after concrete is cured. Do not use in lightweight concrete or in slabs less than 4 inches thick.
C. Install mechanical anchor fasteners in concrete after concrete is cured. Do not use in lightweight concrete or in slabs less than 4 inches thick.
D. Support fire protection system piping independent of other piping.
E. Load Distribution: Install hangers and supports so piping live and dead loading and stresses from movement will not be flow volume in cubic feet per hour of natural gas at specific gravity are as indicated.
End of Section 15055

Section 15080 - Mechanical Insulation
Part 1 - General
1.1 Section Requirements
A. Submittal: None.
B. Quality Assurance: Labeled with maximum flame-spread rating of 25 and maximum smoke developed rating of 50 according to ASTM E 84.
Part 2 - Products
2.1 Pipe Insulations
A. Performed Glass Fiber Pipe Insulation: ASTM C 547, Class 1, with factory applied, all purpose, vapor retarder jacket.
B. Polyolefin Pipe Insulation: Unicellular polyethylene, performed pipe insulation. Comply with ASTM C 534, Type I, except for density.
Part 3 - Execution
3.1 Installation
A. Install vapor barriers on insulated pipes with surface operating temperatures below 60 deg F.
B. Insulate fittings, valves, and specialties.
C. Seal vapor barrier penetrations for hangers, supports, anchors, and other projections.
D. Coat glass fiber pipe insulation ends with vapor barrier coating.
E. Roof Penetrations: Apply insulation for interior applications to a point even with the top of the roof flashing.
F. Exterior Walls and Partitions Penetrations: Apply insulation continuously through walls and partitions, except fire rated walls and partitions.
G. Interior Walls and Partitions Penetrations: Apply insulation continuously through walls and partitions, except fire rated walls and partitions.
H. Fire Rated Walls and Partitions Penetrations: Terminate insulation at penetrations through fire rated walls and partitions. Seal around penetrations with through penetration firestop systems.
I. Floor Penetrations: Terminate insulation at the underside of the floor assembly and at the floor support at top of floor. Seal around penetration with through penetration firestop systems.
J. Glass Fiber Insulation Installation: Bond insulation to pipe with adhesive. Seal seams and joints with vapor barrier compound.
K. Interior Piping System Applications: Insulate the following piping systems:
1. Domestic cold, hot, and recirculation water pipes.
2. Exposed sanitary drains and water supply pipes for public hand sinks.
3. Refrigeration piping.
L. Do not apply insulation to the following systems, materials, and equipment:
1. Flexible connectors.
2. Fire protection piping systems.
3. Sanitary drainage and vent piping
4. Chrome plated pipes and fittings, except for plumbing fixtures for the disabled.
5. Piping specialties, including air chambers, unions, strainers, check valves, plug valves, and flow regulators.
M. Pipe insulations Thickness Application Schedule: Insulate piping with the following materials and thicknesses:
1. Domestic Hot and Recirculation water pipes: 1-inch preformed glass fiber pipe insulations.
2. Domestic Cold Water: 1/2-inch preformed glass fiber pipe insulation.
3. P-Trap and Fixture Supplies for public hand sinks: ADA-compliant pre-formed insulation.
End of Section 15080

Section 15110- Valves
Part 1 - General (Not Applicable)
Part 2 - Products
2.1 General Duty Valves
A. End Connections: Threads shall comply with NASI B1.20.1. Flanges shall comply with ANSI B16.1 for cast iron valves and ANSI B16.24 for bronze valves. Solder-joint connections shall comply with ANSI B16.18.
B. Ball Valves: Rated for 150 psig saturated steam pressure, 400 psig WOG pressure; 2 piece construction; with bronze body, standard (or regular) port, chrome plated brass ball, replaceable "Teflon" or "TFE" seats and seals, blowout proof stem, and vinyl covered steel handle.
C. Plug Valves: Rated for 150 psig WOG; bronze body with straightaway pattern, square head, and threaded ends.
D. Swing Check Valves: Class 125, cast bronze body and cap; with horizontal swing, Y-pattern, and bronze disc.
E. Valves for Copper Tube: Solder ends, except provide threaded ends for heating hot water and low pressure steam service.
F. Valves for Steel Pipe: Threaded ends.
Part 3 - Execution
3.1 Installation
A. Use gate and ball valves for shutoff duty and ball for throttling duty.
B. Locate valves for easy access and provide separate support where necessary.
C. Install accessible valves for each fixture and item of equipment.
D. Install valves in horizontal piping with stem at or above center or pipe.
E. Install valves in a position to allow full stem movement.
F. Install check valves for proper direction of flow in horizontal position with hinge pin level.
End of Section 15110

Section 15140 - Domestic Water Piping
Part 1 - General
1.1 Section Requirements
A. Performance Requirements: Unless otherwise indicated minimum pressure requirement for water piping are as follows:
1. Service Entrance Piping: 100 psig.
2. Domestic Water Piping: 80 psig.
B. Comply with NSF 14 "plastic Piping Components and Materials."
C. Comply with NSF 61 "Drinking Water System Components - Health Effects."
Part 2 - Products
2.1 Pipes and Tubes (See Material Schedule on sheet O010 for where these materials are to be used)
A. Hard Copper Tube: ASTM B 88, Types L and M, water tube, drawn temper.
B. PVC Plastic, Water Pipe: ASTM D 1785, Schedule 80, plain ends.
2.2 Fittings
A. Wrought Copper, Solder Joint Pressure Fittings: ASME B 16. 22.
B. Cast Copper Alloy, Solder Joint Pressure Fittings: ASME B 16.18.
C. Bronze Flanges: ASME B 16.18, cast copper alloy body, hexagonal stock, with ball and socket joint, metal to metal seating surfaces, and solder joint, threaded, or solder joint and threaded ends. Threads complying with ASME B 1.20.1.
E. PVC Plastic, Schedule 80, Socket Type Pipe Fittings: ASTM D 2467.
2.3 Joining Materials
A. Solder Filler Metal: ASTM B 32, lead free
B. Brazing Filler Metals; AWS A5.58, Alloys to suit system requirements.
C. Solvent Cements: As recommended by manufacturer.
D. Plastic Pipe Seals: ASTM F 477, elastomeric gasket.
Part 3 - Execution
3.1 Valve Applications
A. Install gate valves close to main on each branch and riser serving two or more plumbing fixtures or equipment connections and where indicated.
B. Install gate or ball valves on inlet to each plumbing equipment item, on each supply to each plumbing fixture not having stops on supplies, and elsewhere as indicated.
C. Install drain valve at base of each riser, at low points of horizontal runs, and where required to drain water distribution piping system.
D. Install swing check valve on discharge side of each pump and elsewhere as indicated.
E. Install ball valves in each hot water circulating loop and discharge side of each pump.
3.2 Piping Installations
A. Install hangers and supports at intervals indicated in the applicable plumbing code and as recommended by pipe manufacturer.
B. Support vertical piping at each floor.
3.3 Inspecting and cleaning
A. Inspect and test piping systems following procedures of authorities having jurisdiction.
B. Clean and disinfect water distribution piping following procedures of authorities having jurisdiction.
End of Section 15140

Section 15150 - Sanitary Waste and Vent Piping
Part 1 - General
1.1 Section Requirements
A. Minimum Pressure Requirement for Soil, Waste and Vent: 10 feet head
B. Comply with NSF 14 "Plastic Piping Components and Related Materials".
Part 2 Products
2.1 Pipes and Tubes
A. PVC Plastic, DMV Pipe: ASTM D 2665, Schedule 40, plain ends.
2.2 Fittings
A. PVC Plastic, DWV Pipe Fittings: ASTM D 2665, made to ASTM D 3311; socket type, drain, waste, and vent pipe patterns.
Part 3 - Execution
3.1 Piping Installation
A. Install cleanout and extension to grade at connection of building sanitary drain and building sanitary sewer.
B. Locate drainage piping runouts as close as possible to bottom of floor slab supporting fixtures or drains.
3.2 Inspection
A. Inspect and test piping systems following procedures of authorities having jurisdiction.
End of Section 15150

Section 15198 - Natural Gas Piping
Part 1 - General
1.1 Section Requirements
A. Quality Assurance: Comply with NFPA 54 and the Plumbing Code.
Part 2 - Products
2.1 Pipe, Tube, and Specialties
A. Steel Pipe: ASTM A 53, Type S (Seamless), Grade B, Schedule 40, plain ends.
B. Malleable Iron Threaded Fittings: ASME B16.3, Class 150.
C. Manual Valves: Comply with standards listed or, if appropriate, to ANSI Z21.15.
D. Gas Stops: AGA certified, bronze-body, plug type with bronze plug, for 2-psig or less natural gas. Include AGA stamp, flat or square head or level handle, and threaded ends complying with ASSME B1.20.1.
E. Gas Valves: 150-psig WOG, cast-iron or bronze body, bronze plug, straightaway pattern, square head, tapered-plug type.
F. Gas Pressure Regulators: ANSI Z21.18, single stage, steel jacketed, corrosion resistant pressure regulators. Include atmospheric vent, elevation compensator. Regulator pressure ratings, inlet and outlet pressures, and transmitted to connected equipment.
G. Line Gas Pressure Regulators: Inlet pressure rating not less than system pressure.
H. Flexible Connectors: ANSI Z21.24, copper alloy.
I. Strainers: Bronze body, Y-pattern, full size of connecting piping. Include stainless-steel screens with 3/64 inch perforations and a pressure rating of 125-psig-minimum, WOG working pressure.
Part 3 - Execution
3.1 Installation
A. Close equipment shutoff valves before turning off gas to premises or section of piping. Perform leakage test as specified to determine that all equipment is turned off in affected piping section.
B. Install shutoff valve, downstream from gas meter, outside building at gas service entrance.
C. Install gas stops for shutoff to appliances with NPS 2" or smaller low pressure gas supply.
D. Drops and Sediment Traps: Install drips at points where condensate may collect. Include outlets of gas meters. Locate where readily accessible to permit cleaning and emptying. Do not install where condensate would be subject to freezing.
E. Install gas piping at uniform slope of 0.1 percent upward toward risers.
F. Connect branch piping from top or side of horizontal piping.
G. Install strainers on supply side of each control valve, gas pressure regulator, solenoid valve, and elsewhere as indicated.
H. Install valves in accessible locations, protected from damage.
I. Install gas valve upstream from each gas pressure regulator. Where two gas-pressure regulators are installed in series, valve is not required at second regulator.
J. Connect gas piping to equipment and appliances with shutoff valves and unions. Install gas valve upstream from and within 36 inches of each appliance using gas. Install union or flanged connection downstream from valve.
K. Inspect, test, purge piping according to NFPA 54, Part 4, "Gas Piping Inspection, Testing and Purging", and requirement of authorities having jurisdiction.
End of Section 15198

Section 15410 - Plumbing Fixtures
Part 1 - General
1.1 Section Requirements
Submital: None.
A. Comply with requirements of Public Law 102-486, "Energy Policy Act", regarding water flow rate and water consumption of plumbing fixtures.
B. Comply with applicable standards below:
1. Enameled, Cast Iron Fixtures: ASME A112.19.1M.
2. National Sanitation Foundation Construction: NFS2.
3. Porcelain Enameled Fixtures: ASME A112.19.4M.
4. Slip Resistant Bathing Surfaces: ASTM F 462
5. Stainless Steel Fixtures: ASME A112.19.3M.
6. Vitreous China Fixtures: ASME A112.19.2M.
Part 2 - Products
2.1 Refer to the fixture schedule on drawing P600
Part 3 - Execution
3.1 Installation
A. Install fixtures with flanges and gasket seals.
B. Install flushometer valves for accessible water closets and urinals with handle mounted on wide side of compartment. Install other actuators in locations that are easy for the disabled to reach.
C. Fasten wall hanging plumbing fixtures securely to supports attached to building substrate when supports are specified, and to building wall construction where no support is indicated.
D. Fasten floor mounted fixtures to substrate. With fixtures having holders for securing fixture to wall construction, fasten to reinforcement built into walls.
E. Fasten wall mounted fittings to reinforcement built into walls.
F. Fasten counter mounted plumbing fixtures to casework.
G. Secure supplies to supports or substrate within pipe space behind fixture.
H. Set mop basins in leveling bed of cement grout.
I. Install individual supply inlets, supply stops, supply risers, and tubular brass traps with cleanouts as fixture.
J. Install water supply stop valves in accessible locations.
K. Install traps on fixtures outlets. Omit traps on fixtures having integral traps. Omit traps on indirect wastes, unless otherwise indicated or required by the Authority Having Jurisdiction.
L. Install full-ring escutcheons at wall, floor, and ceiling penetrations in exposed, finished locations and within cabinets and millwork. Use deep pattern escutcheons where required to conceal protruding pipe fittings.
M. Install piping connections between plumbing fixtures and piping systems and plumbing equipment. Install insulation on supplies and drains of fixtures for the disabled.
N. Ground equipment. Tighten electrical connectors and terminals according to UL 486A and UL 486B.
End of Section 15410

Section 15554 - Flues and Vents
Part 1 - General
1.1 Section Requirements
A. Submittal: None
Part 2 - Products
2.1 Gas Vents
A. Vent/air intake for high efficiency domestic water heater. Follow manufacturer's recommendations for sizing and material.
B. Accessories: Tees, elbows, increasers, draft hood connectors, metal cap with bird barrier, adjustable roof flashing, storm collar, support assembly, thimbles, firestopping spaces, and fasteners; fabricated of similar materials and designs as vent-pipe straight sections.
Part 3 - Execution
3.1 Installation
A. Install vents according to stipulated minimum clearances from combustibles.
B. Seal between sections of positive pressure vents using only sealants recommended by manufacturer.
C. Support vents at intervals to support the weight of the vent and all accessories, without exceeding loading of appliances.
End of Section 15554

MINNESOTA PLUMBING CODE NOTES

1. ALL PLUMBING MUST BE INSTALLED IN ACCORDANCE WITH THE 2020 MINNESOTA PLUMBING CODE, CHAPTER 4714.
2. ALL PIPE, FITTINGS, TRAPS, FIXTURES, MATERIALS, AND DEVICES SHALL BE LISTED OR LABELED BY A THIRD-PARTY LISTING AGENCY AND COMPLY WITH THE APPLICABLE STANDARDS REFERENCED IN THE CODE.
3. TRENCH DRAINS MUST COMPLY WITH ASME A112.6.3, ASME A112.3.1, OR BE CONSTRUCTED OF WATER-TIGHT MATERIAL AND JOINTS TESTED BY FILLING WITH WATER TO THE FLOOD LEVEL RIM.
4. THE INSTALLATION OF REDUCED PRESSURE PRINCIPLE ASSEMBLIES, DOUBLE CHECK VALVE ASSEMBLIES, PRESSURE VACUUM BREAKERS, OR SPILL-PROOF VACUUM BREAKERS IS PERMITTED ONLY WHEN A TESTING AND INSPECTION PROGRAM ACCEPTABLE TO THE ADMINISTRATIVE AUTHORITY IS PROVIDED (SEE SECTION 603.5.23). THE ADMINISTRATIVE AUTHORITY MUST BE NOTIFIED PRIOR TO INSTALLATION AND THE WATER PURVEYOR WITHIN 30 DAYS OF INSTALLATION. DEVICES MUST BE TESTED UPON INITIAL INSTALLATION AND NOT LESS THAN ANNUALLY, AND RECORDS MUST BE KEPT. INSTALLATIONS MUST BE AT LEAST 12 INCHES AND NOT MORE THAN 5 FEET ABOVE THE FINISHED FLOOR OR GROUND LEVEL UNLESS A PERMANENT PLATFORM FOR ACCESS IS PROVIDED. A BACKFLOW PREVENTION FACT SHEET MAY BE VIEWED AT: HTTP://WWW.DLI.MN.GOV/SITES/DEFAULT/FILES/PDF/FS_BACKFLOW.PDF
5. A CLEANOUT IS REQUIRED AT EACH KITCHEN SINK OR URINAL REGARDLESS OF ITS LOCATION IN THE BUILDING (SEE SECTION 707.4). A URINAL CLEANOUT MUST BE ABOVE THE FIXTURE CONNECTION FITTING.
6. A CLEANOUT SHOULD BE PROVIDED WHERE NEW WASTE PIPING CONNECTS WITH EXISTING FOR TESTING. EACH HORIZONTAL DRAIN BRANCH ON OR BELOW THE FLOOR LEVEL OF THE BUILDING DRAIN SHALL BE PROVIDED WITH A CLEANOUT AT ITS UPPER TERMINAL WITH THE FOLLOWING EXCEPTIONS (SEE SECTION 707.4):
   A. A CLEANOUT IS NOT REQUIRED IF THE BRANCH IS LESS THAN FIVE FEET UNLESS IT SERVES SINKS OR URINALS.
   B. A CLEANOUT IS NOT REQUIRED ON A DRAIN THAT IS 72 DEGREES OR LESS FROM THE VERTICAL UNLESS IT SERVES KITCHEN SINKS OR URINALS.
7. ABOVE-GRADE HORIZONTAL PIPE MUST BE SUPPORTED PER TABLE 313.3.
   A. CAST IRON: EACH HORIZONTAL BRANCH CONNECTION AND EVERY OTHER JOINT UNLESS OVER 4 FEET, THEN AT EACH JOINT.
   B. COPPER TUBING 1½-INCH OR SMALLER: AT LEAST EVERY 6 FEET.
   C. COPPER TUBING 2-INCH OR LARGER: AT LEAST EVERY 10 FEET.
8. ASTM D1785 PVC PIPING IS ONLY APPROVED FOR USE AS WATER SERVICE PIPING (SEE TABLE 604.1). PVC PIPE IS NOT APPROVED FOR USE AS WATER DISTRIBUTION PIPING.
9. PVC DRAIN, WASTE, AND VENT SYSTEMS SHALL MEET TABLE 701.2 AND SECTION 705.6:
   A. JOINTS MUST BE MECHANICAL OR PUSH-ON WITH AN ASTM D3212 ELASTOMERIC SEAL, OR SOLVENT WELDED USING ASTM F656 PURPLE PRIMER AND ASTM D2564 SOLVENT CEMENT. SCHEDULE 80 PIPE MAY BE THREADED.
   B. SUPPORT ABOVE-GROUND HORIZONTAL PIPES AT EACH HORIZONTAL BRANCH CONNECTION AND AT LEAST EVERY 4 FEET. ABOVE-GROUND RUNS MUST USE EXPANSION JOINTS EVERY 30 FEET PER TABLE 313.3.1.
10. BRASS DRAIN PIPING MUST MEET ASTM B43 AND IS LIMITED TO ABOVE GROUND USE ONLY (SEE TABLE 701.2).
11. THE PLUMBING SYSTEM MUST BE TESTED IN ACCORDANCE WITH SECTIONS 609.4 AND 712.0. THE POTABLE WATER SYSTEM MUST BE DISINFECTED PER SECTION 609.9.

Plumbing General Notes

A. General notes apply to plumbing sheets.
B. Plumbing work shall be done in accordance with the plumbing code, local health department standards, and the authority having jurisdiction. See architectural sheets for the prevailing codes.
C. Piping layouts an drawings are schematic. Exact location area to be coordinated with the existing conditions and the work of other trades.
D. Conceal piping unless noted otherwise. Water supply pipes shall be installed level.
E. Provide shut-off valves for isolation of fixture groups as shown on drawings in addition to stop valves at each fixture.
F. Provide stop valves at fixtures.
G. Provide trap primers for floor drains as shown on sheet P100.
H. Where the water or gas supply line size shown in the plumbing diagrams differs from the fixture or equipment connection size, provide line size pipe to within 6" of the fixture or equipment before transitioning to the connection size.
I. Piping in exterior walls shall be installed between the insulation and the interior wall finishing material.
J. Insulate the hot and cold water, condensate drainage, and storm piping per the specifications and detail 8/P700.
K. Provide gas shut-off valves at each piece of equipment. Provide accessible dirt leg at the bottom vertical sections of gas pipe and at the connection to each piece of equipment.
L. Plumbing fixtures, accessories, and materials provided for domestic water shall be lead free.
M. Prior to turnover perform a video inspection of the sanitary and grease lines from the main lines within the tenant space to the main sewer to verify that the sanitary waste system is connected, clean, and free of sags, bellies, breaks, and debris. Deliver a report and copy of the video to the tenant's construction manager prior to turnover.
N. The term "Furnish" means supply and deliver to the project site, ready for unloading, unpacking, assembly, installation, and similar operations. The term "Install" describes the operations at the project site including the actual unloading, unpacking, assembly, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations. The term "Provide" means to furnish and install, complete and ready for the intended use.
O. Prior to connection to any existing sewer system perform a dye test to verify the type of system and the direction of flow. Report any deviation from the construction documents to the tenant's construction manager.
P. Provide sanitary and grease waste pipes at a minimum slope of 1/4" per foot unless noted otherwise.
Q. Install shutoff and isolation valves shown to be above ceiling in accessible locations withing 12" of lay-in ceilings.
R. Existing storm drainage provided under separate package.

Responsibility Definitions

GC	General Contractor
LL	Landlord
CO2AS	Tenant's CO2 Alarm Supplier
HES	Tenant's HVAC Equipment Supplier
HS	Tenant's Hood Supplier
KES	Tenant's Kitchen Equipment Supplier
MSS	Tenant's Music Systems Supplier
SPS	Tenant's Soda Pop Supplier
TAB	Tenant's Test And Balance Vendor
TCC	Tenant's Cabling Contractor
TDC	Tenant's Duct Cleaner
TEMS	Tenant's Energy Management System Supplier
TLS	Tenant's Light/Lamp Supplier
TMB	Tenant's Menu Board Supplier
TMS	Tenant's Millwork Supplier
TP	Tenant's Phone Supplier
TPS	Tenant's Panelboard Supplier
TRS	Tenant's Railing Supplier
TSV	Tenant's Sign Vendor
TUV	Tenant's UV Sanitizer Supplier
WCS	Tenant's Walk-In Cooler Supplier
WHS	Tenant's Water Heater Supplier

Pipe Material Schedule

Application	Allowable Material
Domestic, Above Ground	Type L Copper Tube
Domestic, Below Ground	PEX Piping or Type L Copper Tube
DWV, Above Ground Concealed	Sch. 40 PVC Plastic DWV Pipe and Fittings
DWV, Above Ground Hand Sink Drains	Brass with Chrome Finish
DWV, Above Ground Prep Sink Ware Washing Sink Drains	Sch. 40 PVC Plastic DWV Pipe and Fittings
DWV, Below Ground or Buried	Sch. 40 PVC Plastic DWV Pipe and Fittings
Natural Gas, Concealed	Sch. 40 Steel Pipe, Malleable Iron Threaded Fittings
Natural Gas, Exposed	Sch. 40 Steel Pipe, Malleable Iron Threaded Fittings, Painted

Plumbing Sheet Index

P010 Plumbing Title Sheet
P100 Plumbing Supply Plans
P110 Plumbing Waste & Vent Plans
P600 Plumbing Schedules
P700 Plumbing Details

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PROJECT INFORMATION:

STORE NO.: 5005
"Preserve Village"
9246 Hennepin Town Road
Eden Prairie, MN 55347

SEAL:
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: LICIA A. OLIGMUELLER
SIGNATURE:
DATE 08-26-2024 LIC. NO. 47183

PROJECT NO. 2023-0144
DRAWN BY PAS
CHECKED BY LAO

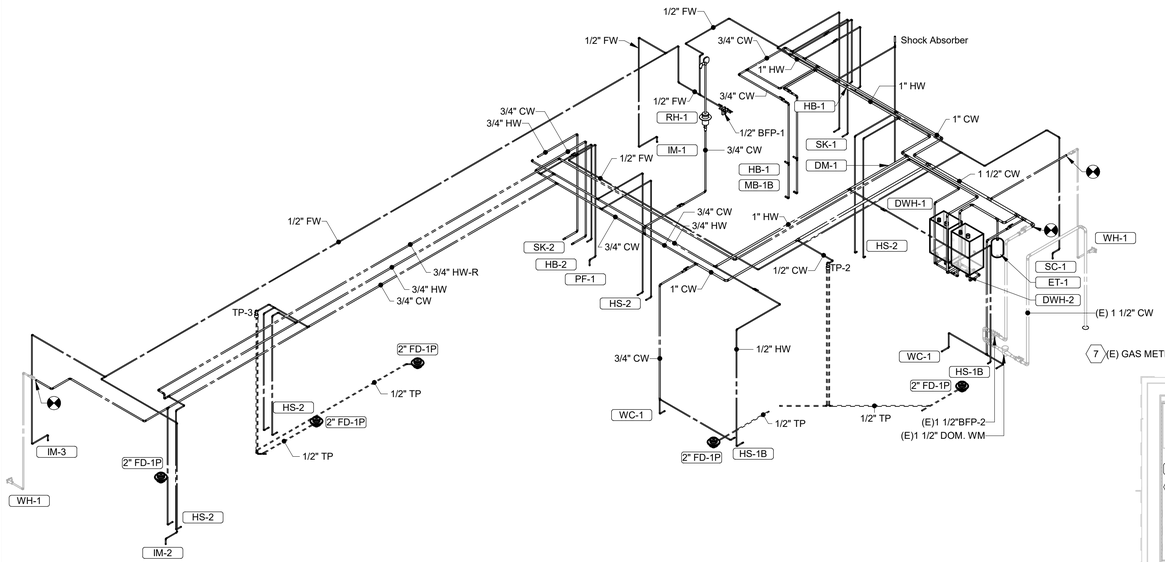
ISSUE RECORD:

04/11/2024	PERMIT SET
06/04/2024	BID SET
08/26/2024	CONSTRUCTION SET

REVISIONS:

TITLE:
Plumbing Title Sheet

SHEET NUMNBER:
P010



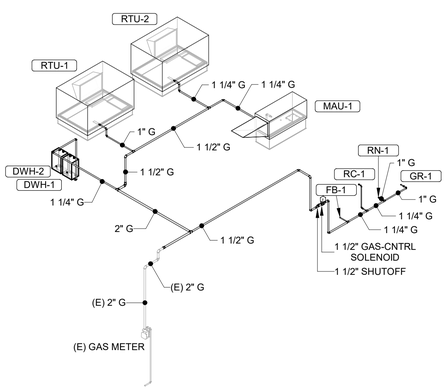
2 P100 Domestic Water Riser Diagram

Water Supply Materials

Rough-In Type	Description
Angle 1/2"	BrassCraft R39X C or Equal (Brass/chrome multi-turn angled stop with 1/2" compression connection)
Angle 3/4"	Everflow 74342-NL with 3/4" Sweat x MIP Adapter or Equal (Brass angled stop with 3/4" FIP inlet and outlet)
Angle 3/8"	BrassCraft KTR19 or Equal (Brass/chrome 1/4" turn angled ball stop with 3/8" compression connection)
Direct	Provide copper pipe in connection size shown to fixture
Hose 1/2"	Arrowhead Brass WM50F or Equal (Brass/chrome washing machine valve with 3/4" MHT outlet)
MIP	Provide pipe with MIP thread stubbed out of wall in supply size shown and length compatible with fixture and wall material/finish

Water Supply Connections

Type ID	Description	Qty	Supply Size	Rough-In Type	CWFU		HWFU		WSFU	
					Each	Total	Each	Total	Each	Total
DM-1	Dish Sanitizing Machine (Pumped Outlet)	1	1/2"	Angle 3/4"	0	0	1.4	1.4	1.4	1.4
HB-1	Chemical Dispenser Hose Bibb	2	1/2"	MIP	3	6	3	6	4	8
HB-2	Vegetable Wash Hose Bibb	1	1/2"	MIP	2.5	2.5		0	2.5	2.5
HS-1B	Restroom Hand Sink Faucet	2	1/2"	Angle 3/8"	1.5	3	1.5	3	2	4
HS-2	Kitchen Hand Sink	4	1/2"	Angle 3/8"	1	4	1	4	1.4	5.6
IM-1	Ice Maker - BOH	1	1/2"	Hose 1/2"	0.25	0.25	0	0	0.25	0.25
IM-2	Ice Maker - Soda	1	1/2"	Hose 1/2"	0.25	0.25	0	0	0.25	0.25
IM-3	Ice Maker - Soda	1	1/2"	Hose 1/2"	0.25	0.25	0	0	0.25	0.25
MB-1B	Mop Sink Faucet	1	3/4"	MIP	2.25	2.25	2.25	2.25	3	3
PF-1	Speed Fill Faucet	1	1/2"	Direct	3	3	0	0	4	4
RH-1	Freeze Proof Roof Hydrant	1	3/4"	Direct	2.5	2.5		0	2.5	2.5
SC-1	Soda Rack with Carbonators	1	1/2"	Angle 3/8"	0.25	0.25	0	0	0.25	0.25
SK-1	Three Compartment Sink	1	1/2"	Angle 1/2"	3	3	3	3	4	4
SK-2	Prep Sink	1	3/4"	Angle 3/4"	3	3	3	3	4	4
WC-1	Water Closet	2	1/2"	Angle 3/8"	5	10		0	5	10
WH-1	Freeze Proof Wall Hydrant	2	3/4"	Direct	2.5	5		0	2.5	5
Grand total						45.25		22.65		55

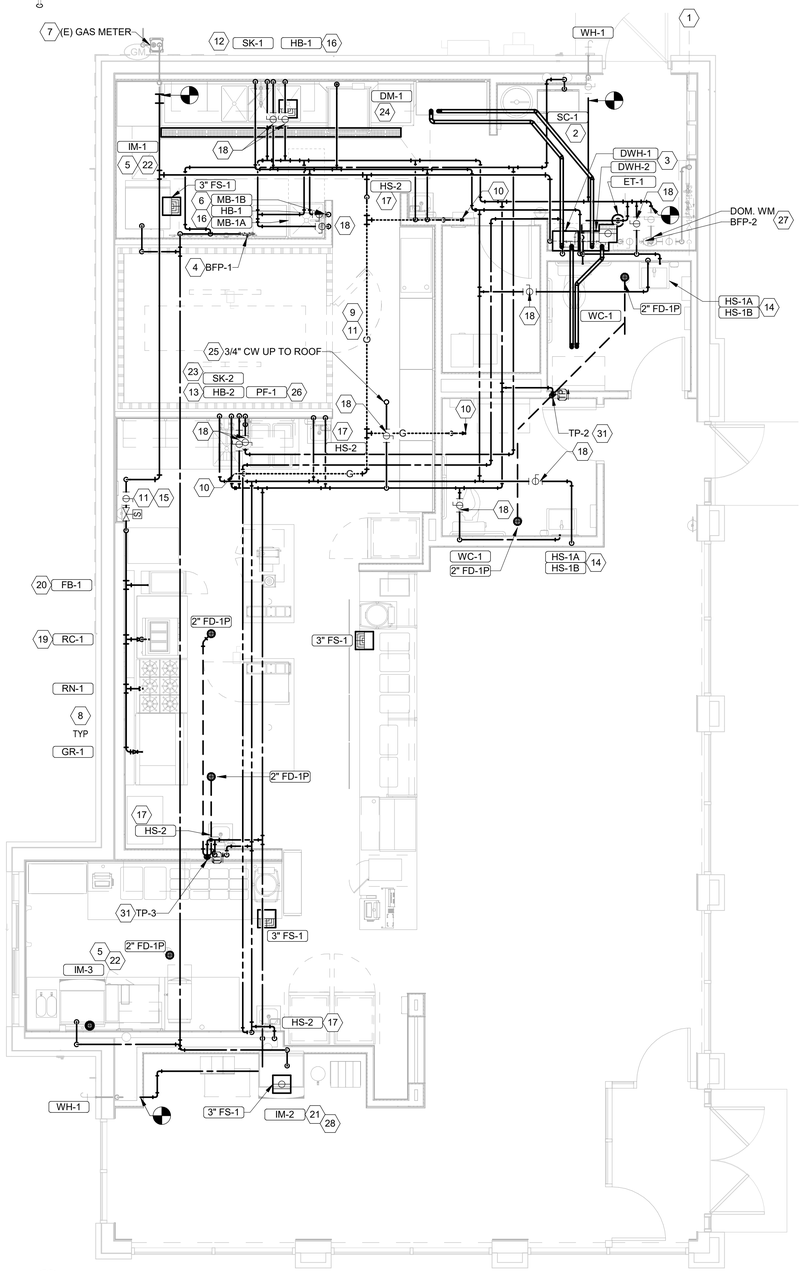


3 P100 Domestic Water Riser Diagram

Gas Supply Sizing

1. Pressure Required after meter: 7" W.C.
2. Distances are approximate

Identity	Description	Gas Heat Input Rating	Gas Supply				Gas Inlet Pipe Size
			Capacity	Label	Length	Pipe Size	
RC-1	Rice Cooker	33000 Btu/h	33	CFH	90.0 LF	3/4"	3/4"
RN-1	6 Burner Range	192000 Btu/h	192	CFH	95.0 LF	1"	3/4"
GR-1	Gas Griddle	110000 Btu/h	110	CFH	95.0 LF	1"	3/4"
FB-1	Gas Fryer	90000 Btu/h	90	CFH	85.0 LF	3/4"	3/4"
DWH-1	Water Heater (Tankless)	199900 Btu/h	200	CFH	65.0 LF	1"	3/4"
DWH-2	Water Heater (Tankless)	199900 Btu/h	200	CFH	65.0 LF	1"	3/4"
MAU-1	Make-Up Air Unit	225000 Btu/h	225	CFH	70.0 LF	1 1/4"	1/2"
RTU-1	Kitchen Rooftop Unit	224000 Btu/h	224	CFH	50.0 LF	1"	3/4"
RTU-2	Dining Room Rooftop Unit	250000 Btu/h	250	CFH	65.0 LF	1 1/4"	3/4"
Grand total: 9		1523800 Btu/h	1524				



1 P100 Plumbing Supply Plan
1/4" = 1'-0"

Plumbing Supply Keynotes

1. Existing domestic water service and backflow preventer by the Landlord.
2. Provide 1/2" filtered water to the bag-in-box soda carbonator at 102" AFF. Soda carbonator shall have an integral ASSE 1022-rated carbonated beverage backflow prevention device. Provide an ASSE 1022-rated backflow prevention device upstream of the ice maker. BFP shall be installed in an accessible location with clearance per manufacturer's installation instructions and no copper piping shall be installed downstream of the BFP.
3. Provide water heaters DWH-1 and DWH-2 per detail 1/P700.
4. Provide water filters mounted to wall per detail 11/P700. Provide 1/2" supply pipes from filter to ice maker, pot filler, and soda carbonator as shown.
5. Provide 1/2" filtered water rough-in to the ice maker at 56" AFF. Provide 6' long stainless steel flexible braided washing machine water connector with minimum 0.43" ID (BrassCraft SL12-72WA F or equal) for final connection to ice maker. Provide an ASSE 1022-rated backflow prevention device upstream of the ice maker. BFP shall be installed in an accessible location with clearance per manufacturer's installation instructions and no copper piping shall be installed downstream of the BFP.
6. Provide domestic water rough-in for mop basin faucet at 36" AFF. Provide domestic water rough-in for the chemical dispenser faucet (HB-1) at 64" AFF directly above the mop basin faucet. See architectural elevation for additional information.
7. Gas meter and service are provided and stubbed into building under a separate construction package.
8. Provide gas connections to the cooking equipment per detail 7/P700.
9. Support the gas pipe on the roof per detail 5/P700. Wood blocking is not an acceptable method of supporting the gas pipe.
10. Provide accessible line-sized gas valve, dirt leg, and union at gas connection to the equipment.
11. Refer to architectural drawings for painting of interior and exterior exposed gas pipe.
12. Provide domestic water rough-in for the chemical dispenser faucet (HB-1) at 52" AFF. See architectural elevation for additional information.
13. Provide domestic water rough-in for the Victory wash dispenser faucet (HB-2) at 52" AFF. See architectural elevation for additional information.
14. Provide rough-in to restroom hand sinks as shown in detail 14/P700.
15. Provide kitchen equipment gas shutoff 6" below the ceiling per detail 4/P700.
16. Connect chemical dispenser to HB-1. Chemical dispenser has an integral air gap as is shown in detail 10/P700.
17. Provide ASSE 1070 point-of-use thermostatic mixing valve, Watts LFUSG-B, on water supply to kitchen hand sinks. Provide angle stop below sink, fasten mixing valve to wall, and make final connection from angle stops to mixing valve and from mixing valve to faucet using braided stainless-steel hose. Adjust the mixing valve for a discharge temperature of approximately 110 degrees F.
18. Provide accessible shutoff ball valve in water supply.
19. Provide gas connection to the rice cooker per detail 6/P700.
20. Provide gas rough-in to fryer behind rice cooker table so that valves and dirt leg are accessible once fryer is secured into place.
21. Provide 1/2" filtered water rough-in to the ice maker at 24" AFF. Provide 6' long stainless steel flexible braided washing machine water connector with minimum 0.43" ID (BrassCraft SL12-72WA F or equal) for final connection to ice maker. Provide an ASSE 1022-rated backflow prevention device upstream of the ice maker. BFP shall be installed in an accessible location with clearance per manufacturer's installation instructions and no copper piping shall be installed downstream of the BFP.
22. Install RGF IMSB Ice maker sanitizer by TUV per Chipotle's installation instructions. See HVAC plans.
23. Provide 3/4" domestic hot and cold water rough-in for the prep sink (SK-2) faucet at 24" AFF to allow for the Victory wash chemical dock to be installed directly below the prep sink basin. Make final connection to prep sink faucet using 3/4" braided stainless steel water heater connector hose.
24. Provide 3/4" hot water to the dish machine, making final connection using hose furnished with dish machine. Provide water hammer arrestor on hot water line. Provide an accessible shutoff valve below the dish machine and install the strainer furnished with the dish machine in an accessible location at the connection to the unit.
25. Provide roof hydrant RH-1 with bottom of nozzle installed 24" above the bottom of roof deck. Provide accessible isolation valve in water supply to roof hydrant. Support roof hydrant per the manufacturer's installation instructions.
26. Provide filtered domestic water rough-in for the speed fill pot filler faucet (PF-1) at 40" AFF. See architectural elevation for details.
27. Domestic water service is provided under a separate construction package.
28. Install RGF IMSB ice maker sanitizer furnished by TUV per Chipotle's installation instructions. Locate IMSB below utensil counter in a location that does not interfere with the rolling rack below the utensil counter. See HVAC plans.
29. Not Used.
30. Not Used.
31. Provide accessible trap primer above lay-in ceiling as shown. Install per manufacturer's installation instructions with a service valve at the trap primer inlet. Provide 1/2" distribution pipe(s) to floor drain trap primer connections as shown. Horizontal distribution piping shall have continuous slope to the floor drain(s).

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Project No. 81-0648

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PROJECT INFORMATION:

STORE NO.: 5005
"Preserve Village"
9246 Hennepin Town Road
Eden Prairie, MN 55347

SEAL:

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PRINT NAME: LICIA A. OLIGMUELLER
SIGNATURE:
DATE: 08-26-2024 LIC. NO: 47183

PROJECT NO.	2023-0144
DRAWN BY	PAS
CHECKED BY	LAO

ISSUE RECORD:

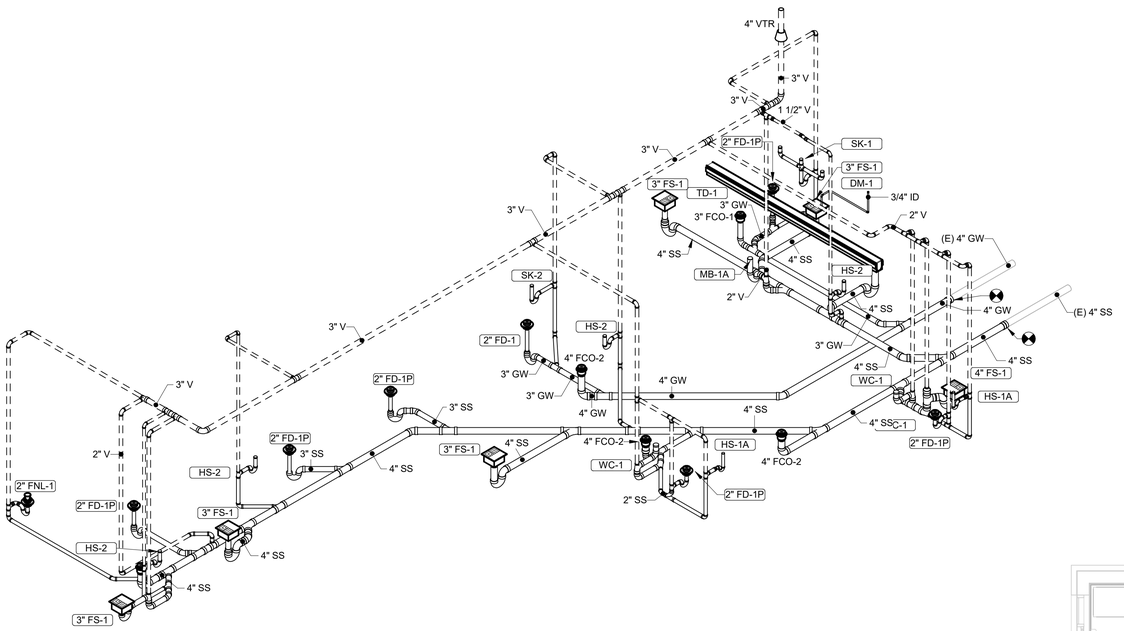
04/11/2024	PERMIT SET	
06/04/2024	BID SET	
08/26/2024	CONSTRUCTION SET	

REVISIONS:

2	06/04/2024	Bid Set Updates

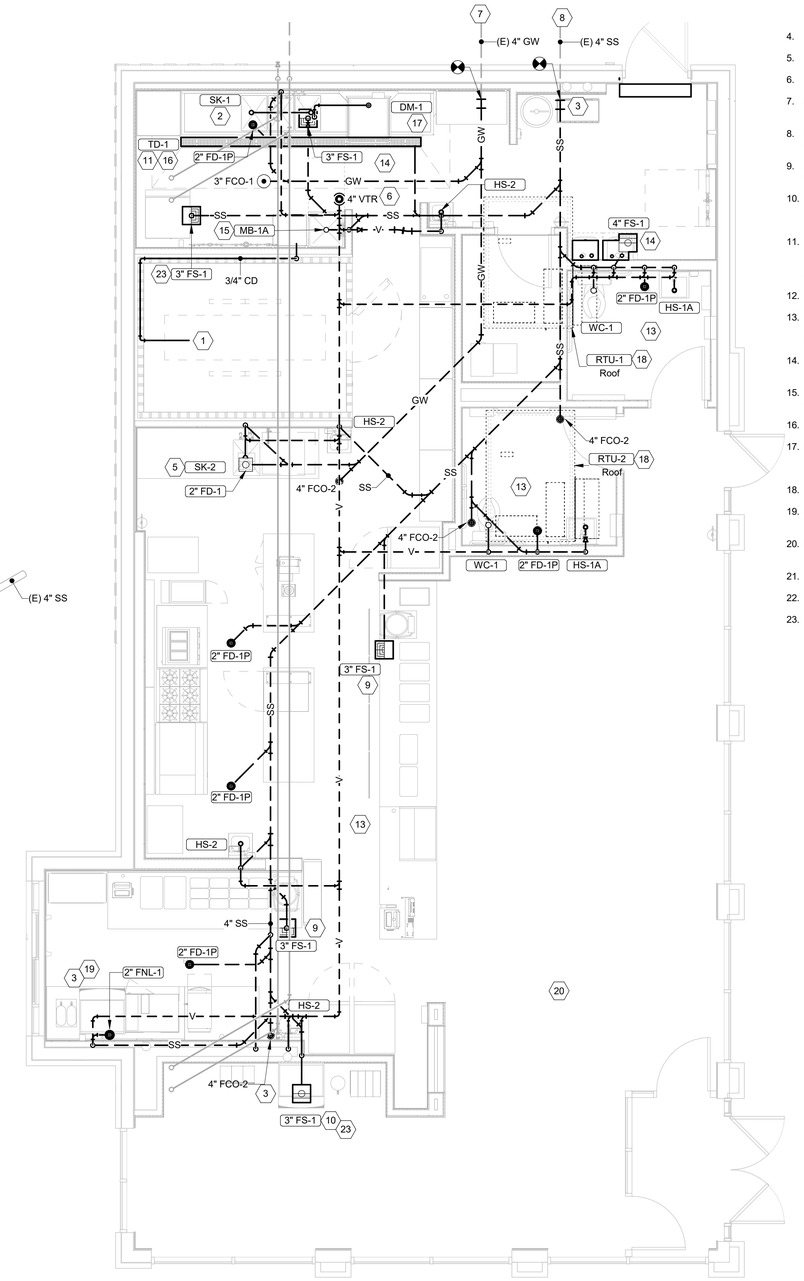
TITLE:
Plumbing Supply Plans

SHEET NUMNBER:
P100



2 P110 Drain-Waste-Vent Riser Diagram

Drainage Fixture Units					
			Drain	DFU	
Type ID	Qty	Description	Pipe Size	Each	Total
DM-1	1	Dish Sanitizing Machine (Pumped Outlet)	3/4"	2	2
FD-1	6	Floor Drain	2"	2	12
FD-1	1	Floor Drain	2"	2	0
FNL-1	1	Funnel Drain	2"	2	2
FS-1	5	Floor Sink	3"	4	20
FS-1	1	Floor Sink	4"	6	6
HS-1A	2	Restroom Hand Sink	1 1/2"	1	2
HS-2	4	Kitchen Hand Sink	2"	2	8
IM-1	1	Ice Maker - BOH	3/4"	0.5	0.5
IM-2	1	Ice Maker - Soda	3/4"	0.5	0.5
IM-3	1	Ice Maker - Soda	3/4"	0.5	0.5
MB-1A	1	Mop Basin	3"	2	2
PF-1	1	Speed Fill Faucet	2"	0	0
SC-1	1	Soda Rack with Carbonators	3/4"	0.5	0.5
SK-1	1	Three Compartment Sink	2"	3	3
SK-2	1	Prep Sink	2"	3	3
TD-1	1	Trench Drain	4"	6	6
WC-1	2	Water Closet	3"	4	8
Grand total					76



1 P110 Plumbing Waste & Vent Plan
1/4" = 1'-0"

Plumbing Waste & Vent Keynotes

1. Provide 3/4" condensate drain from the walk-in cooler evaporator to the floor sink below as shown. Slope condensate drain a minimum 1/4" per foot. Hold exposed condensate drain in walk-in cooler as high as possible. Conceal drain piping within framed walls as shown. Discharge through an air gap. Make final connection to evaporator inside walk-in cooler using a union. Condensate drain should penetrate wall at point of discharge at 8" AFF.
2. Provide tell-tale floor drain downstream of direct sink connection.
3. Coordinate routing of soda bundles with Coca-Cola technician from Bag-in-box area to each soda fountain. Other than within the walls down to the dryer box the soda bundle shall be routed overhead without conduit. Coordinate support and routing of the soda line bundles with Coca-Cola technician during rough-in and provide necessary supports. See architectural drawings for soda bundle termination location and provide termination per detail 12/P700. Exposed soda bundles should be minimized through dining area.
4. Not Used.
5. Provide tell-tale floor drain downstream of direct sink connection.
6. Provide a vent through the roof per detail 3/P700.
7. Grease interceptor and grease waste line is stubbed into building and provided under a separate construction package.
8. Sanitary sewer is stubbed into building and provided under a separate construction package.
9. Provide 3/4" valved drain from hot food table to the floor sink. Drain through an air gap.
10. Provide insulated copper drain lines from the tea tray drain and the soda machine drain to the floor sink. Drain through an air gap. Hold tea try drain as high as possible and secure to structure below the utensil counter.
11. Trim trench drain ends per the manufacturer's installation instructions prior to installation so that grate fits without gaps. Install trench drain with slight positive slope toward the drain connection to avoid standing water in trench drain.
12. Not Used.
13. Do not provide wall cleanouts on tile or publicly-visible walls. If a wall cleanout is required on these surfaces coordinate the exact location with Chipotle's construction manager.
14. Provide indirect waste and condensate drains from fixtures other than kitchen sinks concealed in the wall as shown in detail 9/P700.
15. Provide drain from water filter BFP to mop sink concealed in the wall as shown in detail 9/P700.
16. Provide trench drain as shown in detail 15/P700.
17. Install drain hose furnished with dish machine from dish machine outlet to floor sink. Hold drain hose tight to wall and secure to 3-comp sink drain to maintain an air gap at the floor sink.
18. Provide condensate trap on RTU per detail 13/P700.
19. See detail 18/P700 for drains from tea tray, ice maker, and soda machine to funnel drain.
20. Storm drainage provided by Landlord under a separate construction package.
21. Not used.
22. Not used.
23. Provide PVC drain pipes from the ice machine to the floor sink per the manufacturer's installation instruction. Provide a code-approved air gap at the discharge to the floor sink. Secure ice maker drain pipes to the bottom of the ice maker.

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CHECKED BY LAO

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08/26/2024	CONSTRUCTION SET

REVISIONS:

2	06/04/2024	Bid Set Updates

TITLE:
Plumbing Waste & Vent Plans

SHEET NUMNBER:
P110

Plumbing Fixture & Accessory Schedule

Type ID	Description	Manufacturer	Model	Qty	Installed By	Furnished By	Specification	Schedule Notes
BFP-1	Backflow Preventer	Zurn Wilkins	975 XL	1	GC	GC	Lead free reduced pressure principle backflow preventer with automatic differential relief valve	
DM-1	Dish Sanitizing Machine (Pumped Outlet)	By Others	By Others	1	KES	GC	Chemical sanitizer dish machine with integral electric booster heater and pumped outlet	Provide backflow prevention on water supply to dishwasher compliant with ASSE 1004.
ET-1	Expansion Tank	Amtrol	ST-5C	1	GC	GC	2-Gallon capacity	
FB-1	Gas Fryer	By Others	By Others	1	KES	GC		
FCO-1	Cleanout	Watts	CO-1203-R	1			On-grade adjustable cleanout with internal threaded cleanout plug and round nickel-bronze ring and cover (or approved equal with internal threaded cleanout plug)	
FCO-2	Floor Cleanout	Watts	CO-1204-R	4			On-grade adjustable cleanout with internal threaded cleanout plug and round nickel-bronze ring and cover (or approved equal with internal threaded cleanout plug)	
FD-1	Floor Drain	Sioux Chief	842-2-PNR	7			Adjustable floor drain with PVC body, round polished metal ring and strainer, and trap primer port	
FNL-1	Funnel Drain	Jay R. Smith	3823T	1	GC	GC	Funnel drain with cast bronze body and threaded outlet	
FS-1	Floor Sink	Sioux Chief	861-3PU2	6			Heavy duty PVC floor sink with aluminum dome bottom strainer and open half PVC grate	
GR-1	Gas Griddle	By Others	By Others	1	KES	GC		
HB-1	Chemical Dispenser Hose Bibb	American Standard	Serin	2	KES	GC	Wall-mounted faucet with battery powered sensor, vandal resistant spray, external ASSE 1070 compliant thermostatic mixing valve, mount at ADA compliant height.	Provide backflow preventer compliant with ASSE 1055.
HB-2	Vegetable Wash Hose Bibb	Chicago Faucet	952-CP	1	KES	GC	Interior hose bibb with vacuum breaker, 3/4" hose thread outlet, lock shield cap, and removable "tee" handle. Provide shutoff valve in cold water supply ahead of hose bibb.	
HS-1A	Restroom Hand Sink	American Standard	9024.001EC	2	GC	GC	ADA-accessible, wall-mounted, porcelain lavatory. Provide Zurn Z1231 (Z1231-D for Back-to-back applications) concealed arm carrier in wall. Approved alternate: Kohler K-2084. Provide with ADA compliant insulation kit on drain and water connection piping.	
HS-1B	Restroom Hand Sink Faucet	American Standard	Serin	2	KES	GC	Wall-mounted faucet with battery powered sensor, vandal resistant spray, external ASSE 1070 compliant thermostatic mixing valve, mount at ADA compliant height.	
HS-2	Kitchen Hand Sink	Elkay	EHS-18X	4	KES	GC	Single compartment, wall hung, 18 gauge, with strainer and faucet included, p-trap, tailpieces, supplies and stops. Provide with Haws Model No. 7620 faucet mounted eyewash Axion eyepod.	
IM-1	Ice Maker - BOH	See Arch	--	1	KES	KES	Back of house ice maker with bin (standard capacity remote air cooled)	Provide backflow preventer compliant with ASSE 1022 with access and clearance per the manufacturer's installation instructions.
IM-2	Ice Maker - Soda	See Arch	--	1	KES	KES	Soda machine-mounted ice machine (integral air cooled)	Provide backflow preventer compliant with ASSE 1022 with access and clearance per the manufacturer's installation instructions.
IM-3	Ice Maker - Soda	See Arch	--	1	KES	KES	Soda machine-mounted ice machine (remote air cooled)	Provide backflow preventer compliant with ASSE 1022 with access and clearance per the manufacturer's installation instructions.
MB-1A	Mop Basin	Fiat	MSB-2424	1	GC	GC	Provide 24"x24"x10" molded-stone mop basin. Install mop basin in a bed of grout so there are no voids between the mop basin and the slab.	
MB-1B	Mop Sink Faucet	See Arch	--	1	KES	GC	Service sink faucet with built in stops, lever handles, wall brace, and NPT female inlets. Provide backflow prevention compliant with ASSE 1052, ASSE 1011, or ASSE 1001 if not already integral to fixture.	Provide backflow prevention compliant with ASSE 1052, ASSE 1011, OR ASSE 1001 if not already integral to fixture.
PF-1	Speed Fill Faucet	By Others	By Others	1	KES	GC	Wall-mounted pot filler with self-closing filler valve and NPT female inlet	
PSI	Shock Absorber	Zurn Wilkins	1260XL-B	1	GC	GC		
RC-1	Rice Cooker	By Others	By Others	1	KES	GC		
RH-1	Freeze Proof Roof Hydrant	Hoeptner Products	2131RE	1	GC	GC	Automatic draining, non-freeze type roof hydrant, with non-removable ASSE 1052 backflow preventer, valve on the inside of the roof, hose connection with backflow preventer, and clocking handle on the outside of the roof. All exposed parts shall be painted. Make arrangements with the general contractor to provide the necessary support of roof. Provide shutoff valve in accessible location and route drain pipe to nearest floor drain.	Hoeptner Products (408)847-7615
RN-1	6 Burner Range	By Others	By Others	1	KES	GC		
SC-1	Soda Rack with Carbonators	By Others	By Others	1	SPS	SPS	Soda carbonator(s) shall have an integral ASSE 1022-Rated carbonated beverage backflow prevention device	
SK-1	Three Compartment Sink	By Others	By Others	1	KES	GC	Three-compartment ware-washing sink furnished with (1) pre-rinse unit with add-on faucet	
SK-2	Prep Sink	By Others	By Others	1	KES	GC	Stainless steel prep table with integral prep sink. Furnished with "Big Flo" faucet	
TD-1	Trench Drain	Zurn	Z886 8601 8602	1	GC	GC	6" x 160" HDPE trench drain (sloped from 3.5" to 4.7") with (2) closed end caps, (1) 4" no-hub bottom outlet, and class A heel-proof polyethylene grates. See detail on Sheet P700 for reduction to 2" drain connection	
TP-2	Trap Primer (2 Drains)	PPP Inc.	PR01-500 DU-U	1	GC	GC	Trap primer with integral vacuum breaker and distribution unit. Cap unused distribution unit outlets	Provide backflow prevention upstream of primer compliant with ASSE 1020, ASSE 1056, OR ASSE 1001.
TP-3	Trap Primer (3 Drains)	PPP Inc.	PR01-500 DU-U	1	GC	GC	Trap primer with integral vacuum breaker and distribution unit. Cap unused distribution unit outlets	Provide backflow prevention upstream of primer compliant with ASSE 1020, ASSE 1056, OR ASSE 1001.
WC-1	Water Closet	American Standard	Cadet	2	GC	GC	Elongated floor mounted tank type water closet, with Church 295CT elongated open front seat. Provide a 1/4 turn brass ball valve at wall connection. Install at ADA compliant height.	

Gas-Fired Water Heater Schedule

Identity	Manufacturer	Model	Product Type	Installation Type	System Design Flow	Temp. Rise	Hot Setpoint	MAWP	Gas Burner Type	Gas Burner Input Rating	Gas Burner Output Rating	Gas Burner Efficiency	Electrical Voltage	Electrical Phase	Minimum Efficiency	Operating Weight	Furnished By	Installed By	Specification
DWH-1	Navien	NPE-240A2	Tankless	Wall-Mount	5.6 GPM	67 °F	110 °F	150 psi	NG	199900 Btu/h	189905 Btu/h	95.0%	120 V	1	UEF 0.95	85 lb	GC	GC	Provide with lead free "Plumb Easy Valve Set". GC shall purchase water heater directly through a Navien authorized distributer (1-800-519-8794 or www.navien.com to locate authorized distributor).
DWH-2	Navien	NPE-240A2	Tankless	Wall-Mount	5.6 GPM	67 °F	110 °F	150 psi	NG	199900 Btu/h	189905 Btu/h	95.0%	120 V	1	UEF 0.95	85 lb	GC	GC	Provide with lead free "Plumb Easy Valve Set". GC shall purchase water heater directly through a Navien authorized distributer (1-800-519-8794 or www.navien.com to locate authorized distributor).

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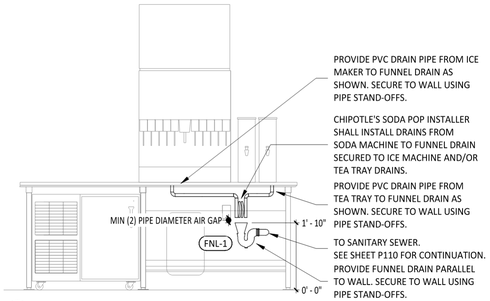
REVISIONS:

TITLE:

Plumbing Schedules

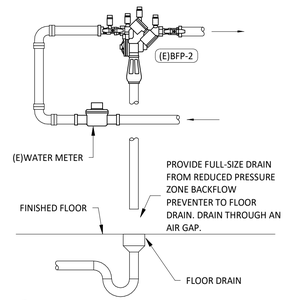
SHEET NUMNBER:

P600



19 P700 Not Used
NOT TO SCALE

18 P700 PUW FUNNEL DRAIN DETAIL
NOT TO SCALE



16 P700 EXISTING WATER SERVICE ENTRY DETAIL
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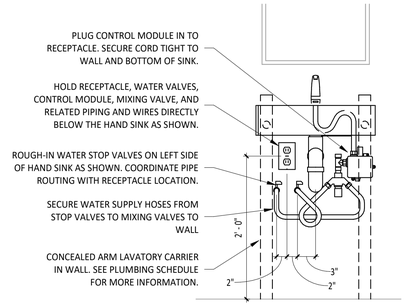

14 P700 RESTROOM HAND SINK DETAIL
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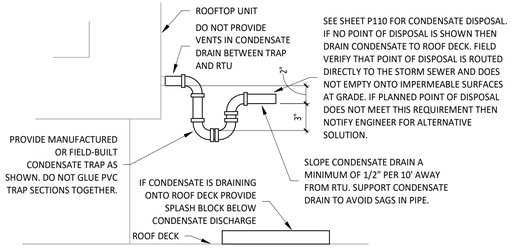

13 P700 RTU CONDENSATE TRAP DETAIL
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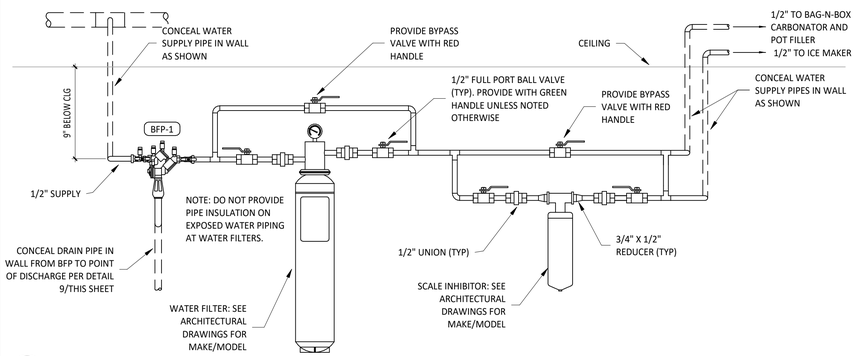

11 P700 WATER FILTRATION DETAIL
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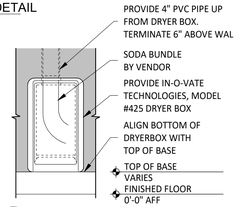

12 P700 SODA TERMINATION DETAIL
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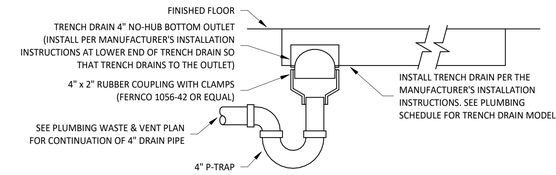

15 P700 TRENCH DRAIN DETAIL
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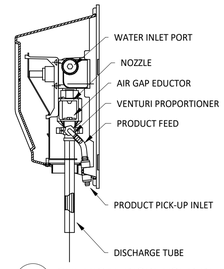

10 P700 CHEMICAL DISPENSER DETAIL
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17 P700 NOT USED
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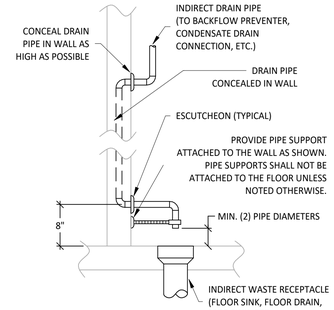

9 P700 INDIRECT WASTE PIPING DETAIL
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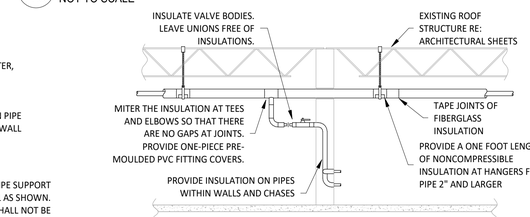
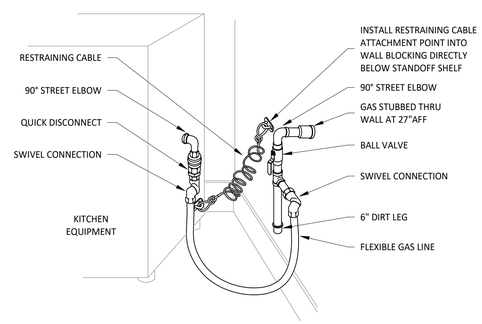


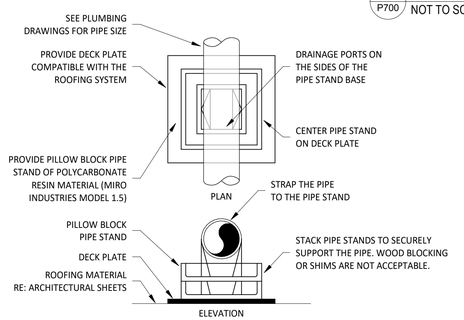
PROVIDE INSULATION ON INTERIOR COLD AND HOT WATER PIPING, CONDENSATE DRAIN PIPE, AND STORM PIPE. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING INSULATION. INSTALL ITEMS PER SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS. MAINTAIN VAPOR BARRIER ON COLD WATER AND CONDENSATE PIPING BY MEANS OF SEALANT AND TAPE. FLAME SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50. SEAL EXPOSED ENDS OF FIBERGLASS INSULATION WITH ADHESIVE MASTIC. UNLESS NOTED OTHERWISE PROVIDE PREFORMED GLASS FIBER PIPE INSULATION WITH PRE-MOLDED PVC JACKETS, SLEEVES, AND FITTING COVERS ON EXPOSED WATER PIPE SO THAT EXPOSED WATER PIPE IS COVERED ENTIRELY WITH PVC INSULATION COVERS.

8 P700 PIPE INSULATION DETAIL
NOT TO SCALE



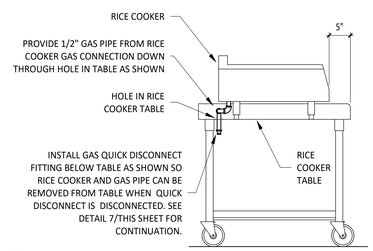
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT ACTUAL CONDITIONS. MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER. PROVIDE WELDED FITTINGS/JOINTS IN ANY CONCEALED, UNSLEEVED LOCATION.

7 P700 KITCHEN GAS EQUIPMENT DETAIL
NOT TO SCALE

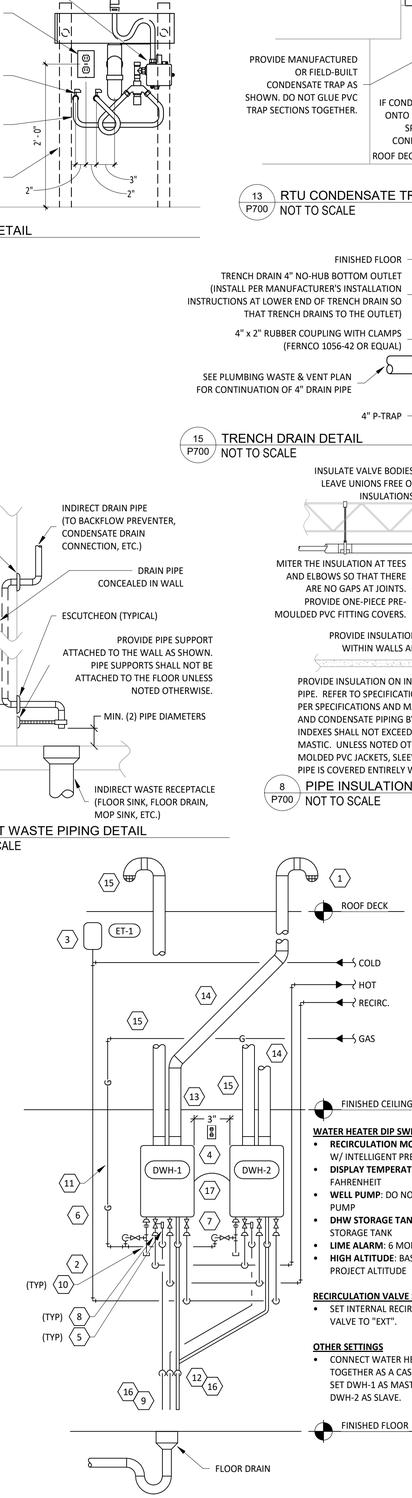


PROVIDE PIPE STANDS AS SHOWN FOR STEEL PIPE FROM 1/2" TO 1-1/2" DIAMETER. SUPPORT SPACING FOR PIPE SIZE: 1/2"=6'; 3/4"-1"=8'; 1 1/4" AND LARGER=10'; PROVIDE DECK PLATES ON ROOFING AND SET PIPE STAND FREE ON DECK PLATES. STACK PIPE STAND WHERE REQUIRED TO ELEVATE PIPING. INSTALL GAS PIPE TO ALLOW FOR EXPANSION AND CONTRACTION.

5 P700 ROOFTOP PIPING SUPPORT
NOT TO SCALE



6 P700 RICE COOKER GAS CONNECTION DETAIL
NOT TO SCALE



WATER HEATER DIP SWITCH SETTINGS

- **RECIRCULATION MODE**: INTERNAL W/ INTELLIGENT PREHEATING
- **DISPLAY TEMPERATURE** UNIT: FAHRENHEIT
- **WELL PUMP**: DO NOT USE WELL PUMP
- **DHW STORAGE TANK**: DO NOT USE STORAGE TANK
- **LIME ALARM**: 6 MONTH ALERT
- **HIGH ALTITUDE**: BASED ON PROJECT ALTITUDE

RECIRCULATION VALVE SETTING

- SET INTERNAL RECIRCULATION VALVE TO "EXT".

OTHER SETTINGS

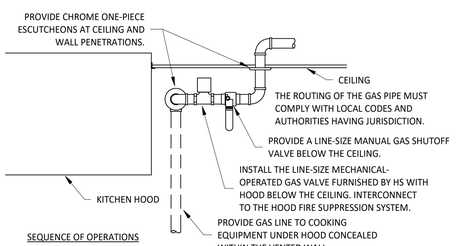
- CONNECT WATER HEATERS TOGETHER AS A CASCADE SYSTEM. SET DWH-1 AS MASTER AND DWH-2 AS SLAVE.

WATER HEATER DETAIL NOTES

1. PROVIDE TWO 90° ELBOWS AND A SCREEN FOR THE FLUE TERMINATION THROUGH THE ROOF PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. ROUGH-IN COLD, HOT, AND RECIRC PIPES AT 64" AND GAS PIPE AT 61" BELOW THE FINISHED CEILING.
3. PROVIDE EXPANSION TANK ET-1 AS SHOWN. SUPPORT TANK FROM WALL OR STRUCTURE ABOVE.
4. PROVIDE WATER HEATER RECEPTACLE WITHIN 12" OF THE FINISHED CEILING. FASTEN CORD TIGHT TO THE WALL.
5. PROVIDE PRESSURE RELIEF VALVE PER MINNESOTA PLUMBING CODE SECTION 504.4, 504.5, AND 504.6. PIPE PRESSURE RELIEF VALVE TO POINT OF DISCHARGE.
6. CONCEAL WATER PIPING WITHIN THE WALL AS SHOWN. INSULATE EXPOSED AND CONCEALED WATER PIPING TO WITHIN 3" OF THE WATER HEATER.
7. INTALL "PLUMB EASY VALVE SET" EXPOSED AT THE COLD AND HOT WATER CONNECTIONS TO THE WATER HEATER AS SHOWN.
8. IF THE PIPE SIZES AS SHOWN ON THE PLUMBING PLANS IS LARGER THAN THE WATER HEATER CONNECTIONS SIZES, PROVIDE REDUCERS WITHIN 6" OF THE WATER HEATER.
9. PIPE PRESSURE RELIEF VALVE DISCHARGE AND FLUE CONDENSATE DRAIN TO FLOOR DRAIN. TERMINATE WITH CODE COMPLIAN AIR GAP. PIPE SHALL BE APPROVED FOR TEMPERATURE RATING OF THE FLUID..
10. PROVIDE AN EXPOSED DRIP LEG AND LINE-SIZE GAS VALVE ON THE GAS SERVICE TO THE WATER HEATER.
11. CONCEAL GAS PIPING IN THE WALL AS SHOWN.
12. PROVIDE 1/2" PVC PIPE FROM THE FLUE CONDENSATE CONNECTION TO THE POINT OF DISCHARGE. DRAIN THROUGH AN AIR GAP.
13. INSTALL THE TANKLESS WATER HEATER WITH THE TOP OF THE WATER HEATER WITHIN 12" OF THE FINISHED CEILING.
14. PROVIDE A 3"Ø PVC PIPE FROM THE TANKLESS WATER HEATER TO THE POINT OF DISCHARGE. SLOPE HORIZONTAL SECTION OF THE FLUE 1/4" PER FOOT TOWARDS THE WATER HEATER.
15. PROVIDE A SCREENED AIR INTAKE WITH TWO 90° ELBOWS ABOVE THE ROOF PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
16. CONCEAL DRAIN LINES IN WALL PER DETAIL 9/THIS SHEET.
17. PROVIDE COMMUNICATION CABLE CONCEALED IN WALL BETWEEN WATER HEATERS.
18. IF WATER HEATERS ARE INSTALLED WITH A COMMON VENT SYSTEM THEN PROVIDE THE NAVIEN COMMON VENT COLLAR KIT WITH BACK-DRAFT DAMPER PER THE MANUFACTURER'S UNSTALLATION MANUAL.

WATER HEATER GENERAL NOTES

A. CLEAN INLET STRAINERS AFTER CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO TURNOVER OF THE BUILDING TO THE TENANT.
B. INSTALL PIPING WITH AS FEW ELBOWS AS POSSIBLE.
C. MAINTAIN REQUIRED CLEARANCE TO COMBUSTIBLE MATERIALS.
D. ADJUST WATER HEATER TO A SETPOINT OF 120° F.



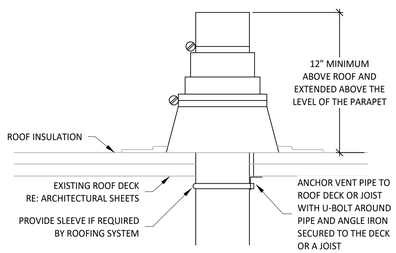
SEQUENCE OF OPERATIONS
NORMAL MODE:

- DURING NORMAL OPERATION THE GAS SHUT-OFF VALVE SHALL BE OPEN.

EMERGENCY MODE:

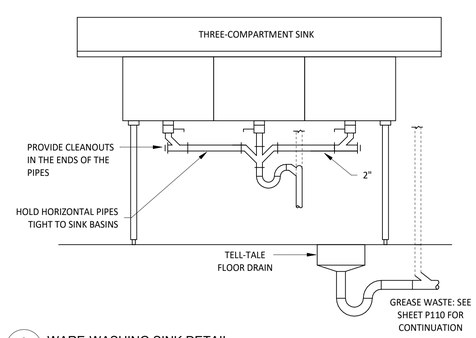
- UPON ACTUATION OF THE HOOD FIRE SUPPRESSION SYSTEM THE GAS SHUT-OFF VALVE SHALL CLOSE.

4 P700 KITCHEN GAS SHUTOFF DETAIL
NOT TO SCALE



REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. FLASHING AND COUNTER FLASHING ARE TO BE COMPATIBLE WITH THE ROOFING SYSTEM.

3 P700 VENT THROUGH ROOF
NOT TO SCALE



2 P700 WARE-WASHING SINK DETAIL
NOT TO SCALE

1 P700 WATER HEATER DETAIL
NOT TO SCALE

CONSULTANT:
AYRES
MECHANICAL, ELECTRICAL, PLUMBING (MEP)
1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0648

CLIENT:
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PROJECT INFORMATION:

STORE NO.: 5005
"Preserve Village"
9246 Hennepin Town Road
Eden Prairie, MN 55347

SEAL:
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: LICIA A. OLIGMUELLER
SIGNATURE:
DATE 08-26-2024 LIC. NO. 47183

PROJECT NO.	2023-0144
DRAWN BY	PAS
CHECKED BY	LAO

ISSUE RECORD:

04/11/2024	PERMIT SET
06/04/2024	BID SET
08/26/2024	CONSTRUCTION SET

REVISIONS:

TITLE:
Plumbing Details

SHEET NUMNBER:
P700

Electrical Specifications

Section 16011 Temporary & Permanent Electrical Service
Part 1 General
1.1 Definitions
A. GFCI: Ground Fault Current Interrupter
B. RMS: Root Mean Square
C. SPDT: Single Pole, Double Throw

1.2 Use Charges
A. General: Cost or use charges for temporary facilities are not chargeable to Tenant, Architect, or Engineer and shall be included in the Contract Sum. Allow other entities to use temporary services and facilities without cost, including, but not limited to, the following:
   1. Tenant's construction forces.
   2. Occupants of Project
   3. Architect
   4. Engineer
   5. Testing agencies
   6. Personnel of authorities having jurisdiction

B. Permanent Service: Coordinate with building Tenant and utility company to establish permanent service upon completion of the project. Contractor shall pay for all permits, aid-to-construction charges, and related fees associated with the new service.

1.3 Notification
A. Coordinate with Tenant to provide 72 hour written notification to other tenants of any power interruptions. Notification shall state the estimated time and duration of the electrical outage.

1.4 Quality Assurance
A. Standards: Comply with ANSI A10.6, NECA's "Temporary Electrical Facilities," and NFPA 241.
   1. Trade Jurisdictions: Assigned responsibilities for installation and operation of temporary utilities are not intended to interfere with trade regulations and union jurisdictions.
   2. Electric Service: Comply with NECA, NEMA and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
   3. Comply with ISHA standards and regulations.

Part 2 Products
2.1 Materials
A. Electrical Outlets: Properly configured, NEMA-polarized outlets to prevent insertion of 110- to 120-V plugs into higher-voltage outlets; equipped with ground-fault interrupters, reset button, and pilot light.
B. Power Distribution System Circuits: Where permitted and overhead and exposed for surveillance, wiring circuits, not exceeding 12S-V ac, 20-A rating, and lighting circuits may be nonmetallic sheathed cable.
C. Main panelboard with disconnect.
D. Temporary lighting
E. 120 volt receptacles with overcurrent protection
F. Enclosures. NEMA AB-1 and NEMA KS 1 to meet environmental conditions of installed location.
   1. Outdoor Locations: NEMA 250, Type 3R.

Part 3 Execution
3.1 Installation
A. Electric Power Service: Provide weatherproof, grounded electric power service and distribution system of sufficient size, capacity, and power characteristics during construction period. Include meters, transformers, and overload-protected disconnecting means.
   1. Install power distribution wiring overhead and rise vertically where least exposed to damage.

B. Electric Distribution: Provide receptacle outlets adequate for connection of power tools and equipment.
   1. Provide waterproof connectors to connect separate lengths of electrical power cords if single lengths will not reach areas where construction activities are in progress. Do no exceed safe length-voltage ratio.
   2. Provide metal conduit, tubing, or metallic cable for wiring exposed to possible damage. Provide rigid steel conduits for wiring exposed on grades, floors, decks, or other traffic areas.
   3. Provide metal conduit enclosures or boxes for wiring devices.
   4. Provide 4-gang outlets, spaced so 1 DO-foot (30-m) extensions cord can reach each area for power hand tools and task lighting. Provide a separate 125-V ac, 20-A circuit for each outlet.

C. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations and traffic conditions.
   1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.
   2. Provide one 100-W incandescent lamp (or equivalent) every 50 feet (15 m) in traffic areas.
   3. Install exterior-yard site lighting that will provide adequate illumination for construction operations, parking and traffic conditions, and signage visibility when the Work is being performed.

End of Section 16011

Section 16060 - Grounding and Bonding
Part 1 - General
1.1 Summary
A. This section includes grounding of electrical systems and equipment. Grounding requirements specified in this section may be supplemented by special requirements of systems described in other Sections.

1.2 Quality Assurance
A. Testing Agency Qualifications: Testing agency as defined by OSHA in 29 CFR 1910.7 a member company of the International Electrical Testing Association and that is acceptable to authorities having jurisdiction.
   1. Testing Agency's Field Supervisor: Person currently certified by the International Electrical Testing Association to supervise on-site testing specified in Part 3.
B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
   1. Comply with UL 467.

Part 2 - Products
2.1 Grounding Conductors
A. For insulated conductors, comply with Division 16 Section "Wiring Methods"
B. Material: Copper
C. Equipment Grounding Conductors: Insulated with green colored insulation.
D. Grounding Electrode Conductors: Stranded cable.
E. Bare Copper Conductors: Comply with the following:
   1. Solid Conductors: ASTM B 3
   2. Assembly of Stranded Conductors: ASTM B 8.

2.2 Connector Products
A. Comply with IEEE 837 and UL 467; listed for use for specific types, sizes, and combinations of conductors and connected items.

Part 3 - Execution
3.1 Application
A. Use only copper conductors.
B. In raceways, use insulated equipment grounding conductors.
C. Equipment Grounding Conductor Terminations: Use bolted pressure clamps.
D. Grounding Bus: Install in electrical and telephone equipment rooms, in rooms housing service equipment, and elsewhere as indicated.
   1. Use insulated spacer; space 1 inch from wall and support from wall 6 inches above finished floor, unless otherwise indicated.
   2. At doors, route the bus up to the top of the door frame, across the top of the doorway, and down to the specified height above the floor.

3.2 Equipment Grounding Conductors
A. Comply with NFPA 70, Article 250, for types, sizes, and quantities of equipment grounding conductors, unless specific types, larger sizes, or more conductors than required by NFPA 70 are indicated.

3.3 Installation
A. Grounding Conductors: Route along shortest and straightest paths possible, unless otherwise indicated. Avoid obstructing access or placing conductors where they may be subjected to strain, impact, or damage.

3.4 Connections
A. General: Make connections so galvanic action or electrolysis possibility is minimized. Select connectors, connection hardware, conductors, and connection methods so metals in direct contact will be galvanically compatible.
B. Equipment Grounding Conductor Terminations: For No. 8 AWG and larger, use pressure-type grounding lugs. No. 10 AWG and smaller grounding conductors may be terminated with winged pressure-type connectors.
C. Tighten screws and bolts for grounding and bonding connectors and terminals according to manufacturer's published torque-tightening values. If the manufacturer's torque values are not indicated, use those specified in UL 486A.
D. Compression-Type Connections: Use hydraulic compression tools to provide correct circumferential pressure for compression connectors. Use tools and dies recommended by connector manufacturer. Provide embossing die code or other standard method to make a visible indication that a connector has been adequately compressed on grounding conductor.

End of Section 16060

Section 16100 -Wiring Methods
Part 1 - General
1.1 Section Requirements
A. Summary: Building wire and cable and associated splices, connectors, and terminations for wiring systems rated 600 V and less, and twisted-pair cable; and raceways and boxes.

Part 2 - Products
2.1 Wires and Cables
A. Connectors and Splices: Wiring connectors of size, ampacity rating, material, and type and class for application and for service indicated.

2.2 Raceways
A. Wireways: Screwed cover type, with manufacturers standard finish.
B. Outlet and Device Boxes: Sheet metal boxes, except use cast-metal boxes at exterior, interior exposed, and interior damp locations.
C. Pull and Junction Boxes: Sheet metal boxes, except use nonmetallic boxes with gasketed covers at exterior and interior damp locations.

2.3 Enclosures
A. Hinged-Cover Enclosures: NEMA 250, steel enclosure with continuous hinge cover and flush latch. Finish inside and out with manufacturer's standard enamel.
B. Cabinets: NEMA 250, Type 1, unless otherwise indicated.

Part 3 - Execution
3.1 Installation
A. Install wires and cables according to the NECA's "Standard of Installation.
B. Wiring at Outlets: Install with at least 12 inches of slack conductor at each outlet.
C. Conceal wiring, unless otherwise indicated, within finished walls, ceilings, and floors.
D. Boxes and Enclosures: In damp or wet locations use NEMA 250, Type 4, stainless steel
E. Use raceway fittings compatible with raceway and suitable for use and location. For intermediate metal conduit, use threaded rigid steel conduit fittings, unless otherwise indicated.
F. Raceways Embedded in Slabs: Install in middle third of the slab thickness where practical, and leave at least 1-inch concrete cover.
G. Install exposed raceways parallel to or at right angles to nearby surfaces or structural members, and follow the surface contours as much as practical.
H. Join raceways with fittings designed and approved for the purpose and make joints tight. Use bonding bushings or wedges at connections subject to vibration. Use bonding jumpers where joints cannot be made tight. Use insulating bushing to protect conductors.
I. Install pull wires in empty raceways. Use No. 14 AWG zinc-coated steel or monofilament plastic line having not less than 200-lb tensile strength. Leave not less than 18 inches of slack at each end of the pull wire.
J. Install raceway sealing fittings where required by the NEC and at wiring entrances to refrigerated spaces. Locate at suitable, approved, accessible locations and fill them with UL-listed sealing compound. For concealed raceways, install each fitting in a flush steel box with a blank cover plate having a finish similar to that of adjacent plates or surfaces.
K. Stub-up connections for Equipment: Extend conductors to equipment with rigid metal conduit; flexible metal conduit may be used 3 inches above the floor.
L. Install a separate green ground conductor in surface metal raceway from the junction box supplying the raceway to receptacle and fixture ground terminals.

3.2 Identification Materials and Devices
A. Install at locations for most convenient viewing without interference with operation and maintenance of equipment.
B. Coordinate names, abbreviations, colors, and other designations used for electrical identification with corresponding designations indicated in the Contract Documents or required by codes and standards. Use consistent designations throughout Project.
C. Identify raceways and cables with color banding as follows:
   1. Bands: Pre-tensioned, snap-around, colored plastic sleeves or colored encircling conduit, and place adjacent bands of two-color markings in contact, side by side.
   2. Band Locations: At changes in direction, at penetrations of walls and floors, at 50-foot maximum intervals in straight runs, and at 25-foot maximum intervals in congested areas.
   3. Colors: As follows:
      a. Telecommunication System: Green and yellow
D. Color-code System secondary service, feeder, and branch-circuit conductors throughout the secondary electrical system as follows:

		120/208V	277/480V
1.	Phase A:	Black	Brown
2.	Phase B:	Red	Orange
3.	Phase C:	Blue	Yellow
4.	Neutral:	White	Gray
5.	Ground:	Green	Green

End of section 16100

Section 16140 - Wiring Devices
Part 1 - General
1.1 Section Requirements
A. Submittals: None
B. Comply with NEMA WD 1.
C. Comply with NFPA 70.

Part 2 Products
2.1 Devices
A. General: Listed and labeled as defined in NFPA, Article 100, by a testing agency acceptable to authorities having jurisdiction.
B. Color: Per material schedule on sheet E010.
C. Receptacles: Heavy-duty grade, NEMA WD6, Configuration 5-20R unless otherwise indicated.
D. Ground-Fault Circuit Interrupter Receptacles: Integral duplex receptacle, for installation in box without an adapter. Feed through type, with a 2-3/4-inch deep outlet
E. Isolated-Ground Receptacles: Equipment grounding contacts connected only to the green grounding screw terminal of the device with inherent electrical isolation from mounting strap.
F. Snap Switches: Heavy-duty, quiet type.
G. Wall Plate: Per Material Schedule on sheet E010.
H. Floor Service Fittings: Modular, above floor, dual-service units suitable for wiring method used.

Part 3 Execution
3.1 Installation
A. Install devices and assemblies plumb and secure.
B. Mount devices flush with long dimension vertical unless otherwise indicated.
C. Protect devices and assemblies during painting.
D. Install wall plates when painting is complete and paint is cured.
End of Section 16140

Section 16442 - Panelboards
Part 1 - General
1.1 Section Requirements
A. Submittals: Panelboard Shop Drawings
B. Comply with NFPA 70.
C. Comply with NEMA PB 1.

Part 2 - Products
2.1 Panelboards
A. Manufacturers: Subject to compliance with requirement, provide products by one of the following:
   1. Panelboards, Overcurrent Protective Devices, Controllers, Contactors, and Accessories:
      a. Square D Co
      b. Eaton Corp.; Cutler-Hammer Products
      c. General Electric Co.; Electrical Distribution & Control Div.
      d. Siemens Energy & Automation.
B. Recessed, NEMA PB1, Type 1.
   1. Panelboard Capacity: as shown on drawings.
   2. Front: Secured to box with concealed trim clamps
   3. Doors: With concealed hinges, flush catches, and tumbler locks, all keyed alike.
   4. Bus: Hard drawn copper of 98 percent conductivity.

C. Molded-Case Circuit Breakers: NEMA AB 1, plug-in type, Single-handle for multiple circuit breakers. Appropriate for application, including Type SWD for repetitive switching lighting loads and Type HACR for heating, air-conditioning, and refrigerating equipment.

D. Contactors: NEMA ICS 2, Class A combination contactors.

Part 3 - Execution
3.1 Installation
A. Install panelboards and accessory items according to NEMA PB 1.1. Provide typed, permanently-mounted English and Spanish circuit directories showing the panel schedules as installed in each panelboard.
B. Mounting Heights: Top of trim 74 inches above finished floor, unless otherwise indicated.
C. Future Circuit Provisions at Flush Panelboards: Stub four empty 3/4-inch conduits from panelboard into accessible or designated ceiling space.
D. Wiring in Panelboard Gutters: Arrange conductors into groups, bundle and wrap with wire ties according to NEC guidelines.
E. Tighten electrical connectors and terminals, including grounding connections, according to manufacturer's published torque-tightening values. Where manufacturer's torque values are not indicated, use those specified in UL 486A.
F. Perform visual and mechanical inspections and electrical tests stated in NETA ATS.
End of Section 16442

Section 16500 - Lighting
Part 1 - General
1.1 Section Requirements
A. Submittals: None.
B. Fixtures, Emergency Lighting Units, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, a testing agency acceptable to authorities having jurisdiction.
C. Coordinate ceiling-mounted luminaires with ceiling construction, mechanical work, and security and fire-prevention features mounted in ceiling space and on ceiling.

Part 2 - Products
2.1 Fixtures and Fixture components, General
A. Metal Parts: Free from burrs, sharp corner, and edges. Steel, unless otherwise indicated. Form and support to prevent warping and sagging.
B. Doors, Frames, and Other Internal Access: Smooth operating, free from light leakage under operating conditions, and arranged to permit re-lamping without use of tools. Arrange doors, frames, lenses, diffusers, and other pieces to prevent accidental falling during re-lamping and when secured in operating position.
C. Lenses, Diffusers, Covers, and Globes: 100 percent virgin acrylic plastic or annealed crystal glass, unless otherwise indicated.

Part 3 - Execution
3.1 Installation
A. Set units level, plumb, and square with ceiling and walls, and secure.
B. Support for Recessed and semirecessed grid-type fixtures: Install ceiling support system rods or wires at a minimum of 4 rods or wires for each fixtures, located not more than 6 inches from fixture corners.
C. Support for Suspended Fixtures: Support according to manufacturer's recommendations.
D. Lamping: Where specific lamp designations are not indicated, lamp units according to manufacturer's written instructions.

End of Section 16500

Signage shown on the drawings is under a separate permit review.

Electrical Sheet List

E010	Electrical Specifications
E100	Electrical Lighting Plan
E110	Electrical Power Plan
E115	Electrical Site Plan
E600	Electrical Schedules
E700	Electrical Interior Elevations
E705	Electrical Interior Elevations
E710	Electrical Details

Electrical Symbol Legend

Lighting Symbols

- Lighting Fixtures, Typical, Rectangular (Various Symbols)
- Lighting Fixtures, Typical, Round (Various Symbols)
- Wall-mounted fixtures, Typical (Various Symbols)
- Directional Light, Track Light, Flood Light
- Emergency Lighting Unit, Ceiling-Mounted, Integral Battery
- Emergency Lighting Unit, Wall-Mounted, Integral Battery
- Emergency Lighting Unit, Wall-Mounted, Remote Battery
- Exit Light, Ceiling-Mounted. Shading and arrows indicate faces and directional chevrons.
- Exit Light, Wall-Mounted. Shading and arrows indicate faces and directional chevrons.
- Pole/Area Lights
- $ General Purpose Single-Pole Switch Switch Modifiers:

3: 3-Way
4: 4-Way
K: Keyed
D: Dimming
T: Timer
OS: Occupancy Sensor
VS: Vacancy Sensor
AC: Above-Counter
LV: Low-Voltage
M: Manual Started with Pilot Light

Wiring

- Conduit concealed above the ceiling, in a wall, or in a raceway
- Conduit concealed below the slab
- Home run to branch circuit panelboard and circuit number shown
- KP Security System Keypad: See electrical power plan for more information.

Power Symbols

Wall Ceiling Floor

- Simplex Receptacle
- Duplex Receptacle
- Quadruplex Receptacle
- Special Receptacle, Type as Indicated

Receptacle Modifiers:
##": Height AFF OC
AC: Above Counter
GFCI: Ground-Fault Circuit Interrupter
WP: Weatherproof In-Use Cover
IG/GFCI: Nema

- J Junction Box
- X/Y/Z Disconnect Switch:
  X = Switch Rating
  Y = Fuse Size (NF = Non Fused)
  Z = Number of Poles

Telecom Symbols

- Junction Box for RJ-45 Data Outlets. Provide 1" conduit with pull string from J-Box above office ceiling. Terminate conduit with conduit bushing.
- Double gang junction box for RJ-45 data outlets. Provide 1" conduit with pull string from J-Box to above office ceiling. Terminate conduit with conduit bushing.
- Junction box for RJ-11 telephone outlets. Provide 1" conduit with pull string from J-Box to above office ceiling. Terminate conduit with conduit bushing.

Miscellaneous

- 1 Plan Note: See plan notes listed on the same sheet for note meaning
- 1 / E110 Callout: Top Value: Detail Number on Sheet Bottom Value: Sheet Number of Detail
- Halftoned fixtures denotes under separate contract (provided by LL).

Power Distribution Equipment

Electrical Panelboards
Hatched fill indicates distribution panel or switchboard.
Solid fill indicates branch panel or load center.
Dashed box indicates code-required clearance (width and depth).
Door indicates front of recessed panel.

Electrical Material Schedule

Application	Allowable Material
Conductors	
#8 AWG and Larger	Stranded CU, Type THHN/THWN or XHHW
#10 AWG and Larger	Solid CU, Type THHN/THWN or XHHW
Cord (Exposed indoor locations)	Type SO or SJO Service Cord with CU Conductors
Conduits	
Connection to vibrating equipment (exposed indoor dry locations)	Flexible Metal Conduit
Connection to vibrating equipment (Exposed wet or damp locations)	Liquidtight Flexible Metal Conduit
Indoor, concealed above grade	Electrical Metallic Tubing, Flexible Metal Conduit or Metal Clad Cable
Indoor, exposed	Electrical Metallic Tubing, U.N.O.
Indoor, within 1-1/2" of roof deck	Intermediate Metal Conduit
Low or line voltage, below grade	Rigid Nonmetallic Conduit (Schedule 40 PVC)
Low voltage, indoor, above grade	Electrical Metallic Conduit
Outdoor, above grade, exposed or concealed	Intermediate Metal Conduit
Wiring Devices	
IG or IG/GFI Receptacles	Gray device with stainless steel cover plate
In Kitchen, Office, or non-public spaces	Gray device with stainless steel cover plate
In Restrooms	White device with white cover plate
On drywall in Dining Room	White device with white cover plate
On Hot Rolled Steel, Richlite, or other black finishes	Black device with black cover plate

Electrical Abbreviations

(E)	Existing
ABV	Above
ADA	Americans WIth Disabilities Act
AFF	Above Finished Floor
AFG	Above Finished Grade
AHJ	Authority Having Jurisdiction
BFF	Below Finished Floor
BFG	Below Finished Grade
BOH	Back of House
CLG	Ceiling
CTE	Connect to Existing
DN	Down
EXT'G	Existing
FLR	Floor
FOH	Front of House
GFCI	Ground Fault Current Interrupter
GYP	Gypsum Board
IG	Isolated Ground
NF	Non-Fused
NL	Night Light
NTS	Not To Scale
O/H	Overhead
TYP	Typical
U/G	Underground
UNO	Unless Noted Otherwise
W/	With
WIC	Walk-In Cooler
WP	Weatherproof
CO2AS	Tenant's CO2 Alarm Supplier
GC	General Contractor
HES	Tenant's HVAC Equipment Supplier
HS	Tenant's Hood Supplier
KES	Tenant's Kitchen Equipment Supplier
LL	Landlord
MSS	Tenant's Music Systems Supplier
SPS	Tenant's Soda Pop Supplier
TAB	Tenant's Test And Balance Vendor
TCC	Tenant's Cabling Contractor
TDC	Tenant's Duct Cleaner
TEMS	Tenant's Energy Management System Supplier
TLS	Tenant's Light/Lamp Supplier
TMB	Tenant's Menu Board Supplier
TMS	Tenant's Millwork Supplier
TP	Tenant's Phone Supplier
TPS	Tenant's Panelboard Supplier
TRS	Tenant's Railing Supplier
TSV	Tenant's Sign Vendor
TUV	Tenant's UV Sanitizer Supplier
WCS	Tenant's Walk-In Cooler Supplier
WHS	Tenant's Water Heater Supplier

Electrical General Notes

A. General notes apply to electrical sheets.

B. Electrical work shall be done in accordance with the electrical code and in accordance with the authority having jurisdiction. See Architectural sheets for the prevailing codes.

C. Wiring shall be (2) #12, #12 G in 3/4" C unless noted otherwise.

D. Individual conduit home runs shown shall not be consolidated.

E. Circuit emergency lights, illuminated exit signs, and night lights ahead of local switching.

F. Install wall switches at 48" AFF to center of switch and receptacles at 18" AFF to center of receptacle unless noted otherwise.

G. Install conduit concealed above the ceiling, in walls, or in raceways.

H. Provide 1" conduit with pull string from each J-Box for telephone or data jacks to above office ceiling. See material schedule for allowable conduit materials. Provide conduits with minimal elbows and terminate conduits above office ceiling with conduit bushing.

I. The term "furnish" means supply and deliver to the project site, ready for unloading, unpacking, assembly, installation, and similar operations. The term "install" describes the operations at the project site including the actual unloading, unpacking, assembly, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations. The term "provide" means to furnish and install, complete and ready for the intended use.

J. Dimensions shown in electrical elevations are from the wall framing unless noted otherwise.

K. Install labeling called for in the electrical drawings using engraved phenolic plates on wall immediately above receptacles.

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Project No. 81-0648

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PROJECT INFORMATION:

3

STORE NO.: 5005
"Preserve Village"
9246 Hennepin Town Road
Eden Prairie, MN 55347

SEAL:

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: DANIEL R. SANDOVAL
SIGNATURE:
DATE 08-26-2024 LIC. NO. 63146

PROJECT NO. 2023-0144
DRAWN BY AA
CHECKED BY ALB

ISSUE RECORD:

04/11/2024	PERMIT SET
06/04/2024	BID SET
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1	05/02/2024	Plan Review Comments
3	08/26/2024	Construction Set

TITLE:
Electrical Specifications

SHEET NUMNBER:
E010

Lighting Control Panel Schedule: LCP

RELAY	PANEL	CIRCUIT	AREA SERVED	CONTROL	TIME ON	TIME OFF	DIMMER CONTROL	NOTES
R1	A	32	Kitchen A	Timeclock	7:00:00 AM	12:00:00 AM	N/A	Single Pole (NC)
R2	A	32	Kitchen B	Timeclock	7:00:00 AM	12:00:00 AM	N/A	Single Pole (NC)
R3			Spare					Single Pole (NC)
R4	A	30	Dining Room A	Timeclock	10:00:00 AM	12:00:00 AM	N/A	Single Pole (NC)
R5	A	30	Dining Room B	Timeclock	10:00:00 AM	12:00:00 AM	N/A	Single Pole (NC)
R6	A	30	Dining Room DL	Timeclock	10:00:00 AM	12:00:00 AM	N/A	Single Pole (NC)
R7	A	28	Restroom Exhaust Fan	Timeclock	7:00:00 AM	12:00:00 AM	N/A	Single Pole (NC)
R8	A	42	Ext. Lighting/Signage	Timeclock	Sunset - 1 HR	12:00:00 AM	N/A	Single Pole (NC)

Lighting Control Panel Schedule Notes

A. Duplicate panel schedule and permanently install within the lighting control panel.

Lighting Control Components Schedule

	Description	Quantity	Furnished By	Installed By	Manufacturer	Model	Remarks
LCP	nLight Lighting Control Panel	1	TLS	GC	Acuity	ARP INTENC08 NLT 8FCR MVOLT HLK FM DTC CPTLE1	8 relay panel for dimming control with flush mount enclosure, and digital time clock.
$C	Wall-Mounted Override Switch	1	TLS	GC	Acuity	nPODMA 4P	See lighting control diagram for switch configuration.
$D	Wall-Mounted Dimmer Switch	2	TLS	GC	Cooper	SAL06P-W	Slide dimmer compatible with up to 300W LED lighting. Set at 50%. If dining room lights flicker at this dimmer setting then GC shall provide Lutron DVCL-253P dimmer as replacement.
$OC	Wall-Mounted Line Voltage Occupancy Sensor	3	TLS	GC	Hubbell	LHMTS 1-N-WH	White dual technology single relay with 1 button and neutral wiring.

Keynotes

1. Install wall-mounted lighting override switch and connect to LCP as shown in detail 6/E710.
2. For uncircuited light fixtures, connect to relay circuit indicated next to the fixture tag through the lighting control panel (LCP) unless noted otherwise.
3. Wall mount the emergency light fixture at 6" below the ceiling unless noted otherwise.
4. Verify mounting height of exit sign prior to rough in. Exit sign must be visible from area served after building systems have been installed. See architectural elevations for further information.
5. Install LED drivers furnished with the X9 LED strip lights on wall 6" above the ceiling in an accessible location. Provide low voltage wiring from LED driver to the X9 light fixtures as shown.
6. Install light fixtures furnished with the Walk-in cooler. Provide unswitched conductor from lighting circuit to Walk-in cooler lighting J-Box and from J-Box to light fixtures as shown. Conduit between light fixtures shall be routed on the interior of the Walk-in cooler. Seal interior and exterior of conduits where they pass through the Walk-in cooler envelope per the NEC.
7. Exit sign provided by Landlord. See architectural elevations for further information.
8. Provide unistrut as shown on the architectural RCP per the architectural unistrut detail. Typical.
9. Connect exterior lighting circuit to circuit shown through the exterior lighting contactor panel per detail 6/E710.
10. Install wall-mounted occupancy sensor furnished by lighting supplier at 42" AFF. Adjust occupancy sensor to provide automatic on/automatic off operation with a fixed timer of 30 minutes and with both the passive infrared and ultrasonic sensors enabled.
11. Light fixture provided under separate submittal package. Light fixture shown for reference.
12. Install wall-mounted dimmers above panelboards 6" above lay-in ceiling for control of dining room overhead strip LED and pendant lights. Connect dimmers to relays shown through the lighting control panel. Set dimmers at 50%.
13. Connect dining room (relay circuits R4 and R5) overhead strip LED lights to the relay indicated through the corresponding wall-mounted dimmer installed above the panelboards.
14. Install lighting control system per detail 6/E710.
15. Not Used.
16. Penetrations through shear wall shall be limited to 10" diameter (or a group of penetrations all contained within 10" diameter). If larger penetrations or groups of penetrations are required coordinate with structural engineer for appropriate bracing. See structural drawings for shear wall location.
17. Install chime/strobe furnished with vehicle detection system on wall 12" below ceiling and connect to vehicle detector system per the manufacturer's installation instructions.
18. Existing E2 remote emergency light at bottom of canopy by Landlord. Ensure low voltage wiring from exit sign to remote emergency light is concealed.

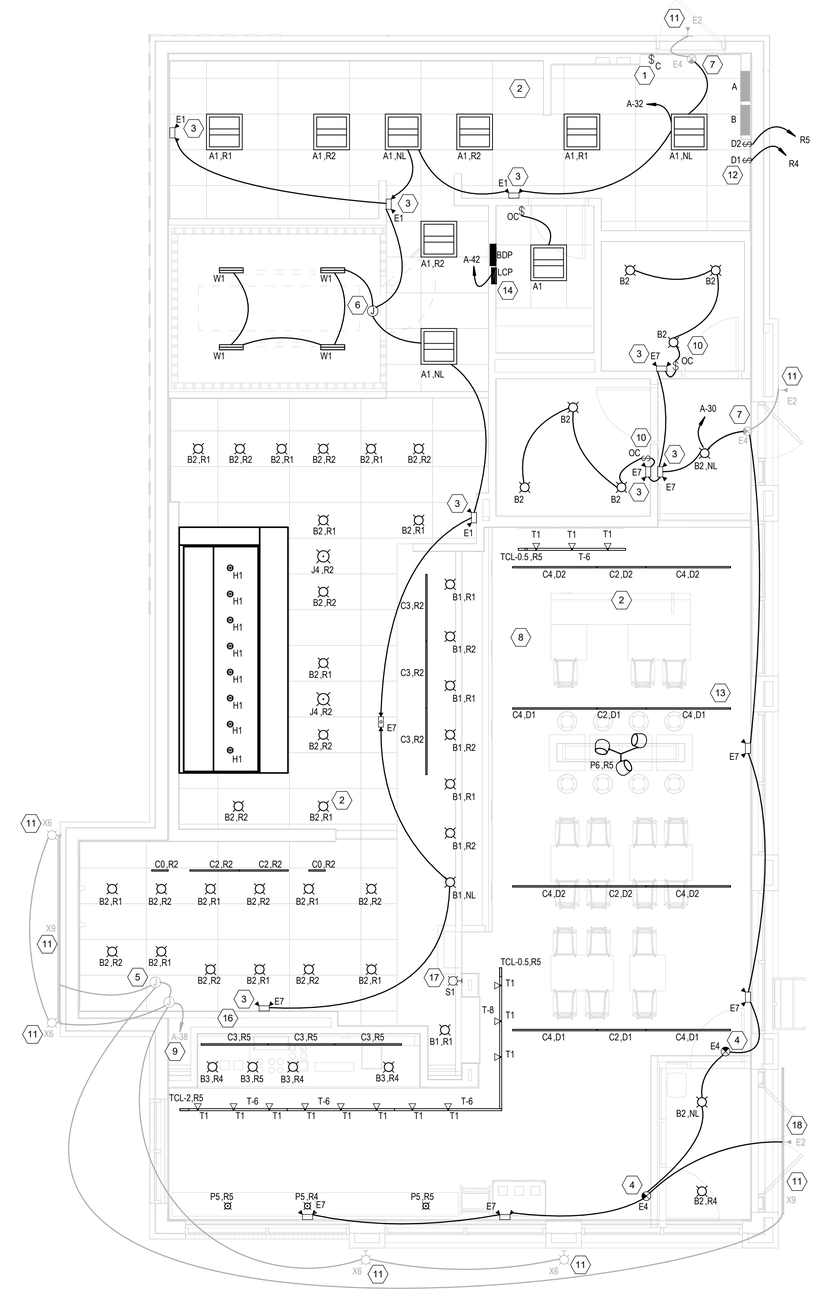
Luminaire Schedule

Tag	Count	Description	Mounting	Voltage	WATTS	Furnished By	Installed By	Manufacturer	Model Number	Lamp	Notes
A1	9	2x2 LED Lensed Troffer	Lay-In	120 V	30 W	TLS	GC	Nora Lighting	NPDBL-E22/334 W	Integral 3000K LED	Compatible with 0-10V dimming, factory locked to 3000K
B1	8	Recessed 6IN Can Light	Ceiling	120 V	17 W	TLS	GC	Nora Lighting	NHIC-6G24ATFL W/ NTM-57W/M1 Trim	(1) 17W Ecostory ECO-PAR38C-17-GU24-27K -25D LED (25°-2700K) W/ GU 24 Base	--
B2	34	Recessed 6IN Can Light W/ LED Trim	Ceiling	120 V	17 W	TLS	GC	Nora Lighting	NHIC-6G24ATFL With NLCBC-65130WW LED Trim	Integral 3000K LED	LED trim furnished with GU24 socket adapter
B3	4	Recessed 6IN Can Light W/ Black LED Trim	Ceiling	120 V	12 W	TLS	GC	Nora Lighting	NHIC-6G24ATFL With NLCBC2-65127BB LED Trim	Integral 3000K LED	Black LED trim furnished with GU24 socket adapter
C0	2	Low Profile LED - 1 FT	Surface	120 V	5 W	TLS	GC	Hera Lighting	EL/LED/12/WW	Integral LED	Furnished with covers, connectors, and one hardwire box or cord/plug per section
C2	6	Low Profile LED - 3 FT	Surface	120 V	12 W	TLS	GC	Hera Lighting	EL/LED/34/WW	Integral LED	Furnished with covers, connectors, and one hardwire box or cord/plug per section
C3	6	Low Profile LED - 4 FT	Surface	120 V	15 W	TLS	GC	Hera Lighting	EL/LED/46/WW	Integral LED	Furnished with covers, connectors, and one hardwire box or cord/plug per section
C4	8	Low Profile LED - 5 FT	Surface	120 V	18 W	TLS	GC	Hera Lighting	EL/LED/59/WW	Integral LED	Furnished with covers, connectors, and one hardwire box or cord/plug per section
E1	4	Emergency Light - Dual Head	Various	120 V	2 W	TLS	GC	Exitronix	LED-90	Integral LED	90 minute battery backup
E4	2	White Exit Sign With Emergency Light -Standard Red Letters	Various	120 V	2 W	TLS	LL	Exitronix	CLED-U-WH	Integral LED	90 minute battery backup with integral emergency light, remote head capable
E7	9	Emergency Light	Various	120 V	2 W	TLS	GC	Exitronix	EV2	Integral LED	90 minute battery backup
G4	1	Patio Pole Light	Pole	120 V	10 W	TLS	GC	RAB Lighing	ALED10Y W/ PS4-11-10D2 Pole	Integral LED	See plan for lamp head configuration. Refer to architectural sheets for finish and installation detail
H1	8	Vapor Proof Hood Light	Surface	120 V	15 W	HS/TLS	HS	Furnished W/ Hood	Furnished W/ Hood	(1) TCP L16A19N1527K	Install lamp furnished separately by lighting supplier
J4	2	Decorative Pendant	Pendant	120 V	9 W	TLS	GC	Barnlight	BLE-C-CPT10-ASH-100-S-BK-100-CA W	Green Creative 9A19DIM/927/GU24/R	With black lampshade, black cord, and oak lampholder
P5	3	Pendant	Pendant	120 V	5 W	TLS	GC	Hi-Light MFG	H-LC-91/CB12-91/20WLBL	TCP FG25D4027CCQ	Adjust cord length for mounting height called for in architectural drawings
P6	1	Decorative Dining Room Pendant	Pendant	120 V	30 W	TLS	GC	Barnlight	BLE-C-HGT-133-35630-3	Integral LED	Hardwired set of (3) heads with universal canopy and standard black cables
S1	1	Drive-up Pick-up Window Chime/Strobe	Wall	16 V	0 W	TLS	GC	Federal Signal	SLM500B W/ SLMBW-012-024	Integral	Set switch A to "Chime 1 Single" (11011) and switch B to "Chime 2 Single" (00111)
T1	14	Track Head	Track	120 V	10 W	TLS	GC	Juno	R605L 30K 90CRI PDIM WFL BL	Integral LED	Black cylinder track head w/ universal 120v trac adapter and wide flood beam
T-6	4	Track (6 FT)	Surface	120 V	0 W	TLS	GC	Juno	T 6FT BL	N/A	Single circuit, black finish. Furnish with connectors to achieve arrangement shown on plans. Trim as required for lengths shown.
T-8	1	Track (8 FT)	Surface	120 V	0 W	TLS	GC	Juno	T 8FT BL	N/A	Single circuit, black finish. Furnish with connectors to achieve arrangement shown on plans. Trim as required for lengths shown.
TCL-0.5	2	Track Current Limiter (60W)	Surface	120 V	0 W	TLS	GC	Juno	TCLFM11 BL W/ TCLCB 0.5A BLCK	N/A	Black current limiting end feed with circuit breaker
TCL-2	1	Track Current Limiter (240W)	Surface	120 V	0 W	TLS	GC	Juno	TCLFM11 BL W/ TCLCB 2A BLCK	N/A	Black current limiting end feed with circuit breaker
W1	4	WIC LED Light	Surface	120 V	29 W	WCS	GC	Furnished W/ WIC	Furnish W/ WIC	Integral LED	Wet-rated cooler fixture

Lighting Fixture Schedule Notes

A. See the architectural reflected ceiling plan for exact light locations.

B. See the architectural lighting details for fixture construction details.



1 / E100 Lighting Floor Plan
1/4" = 1'-0"

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SIGNATURE:
DATE 08-26-2024 LIC. NO. 63146

PROJECT NO.	2023-0144
DRAWN BY	AA
CHECKED BY	ALB

ISSUE RECORD:

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TITLE:

Electrical Lighting Plan

SHEET NUMNBER:

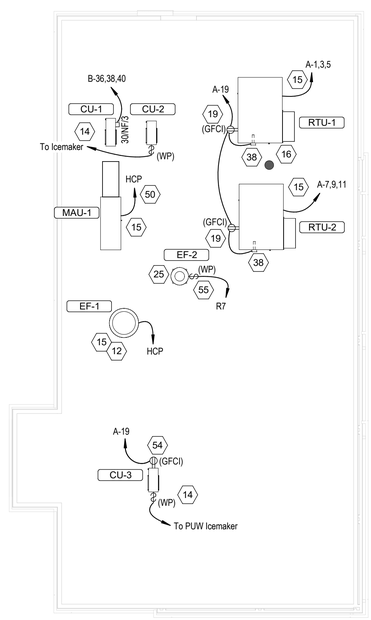
E100

Electrical Power Plan Notes

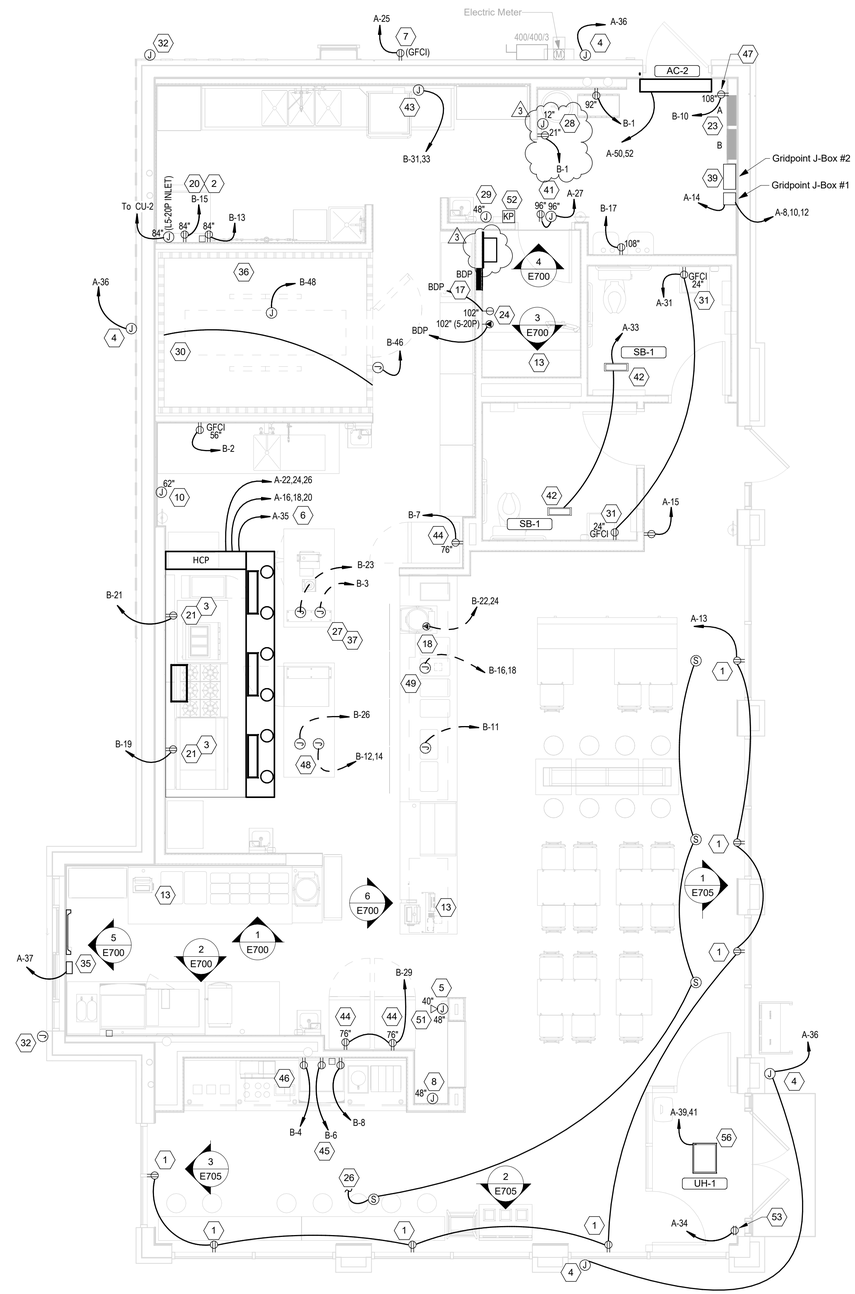
1. Show room window receptacle. Coordinate exact receptacle mounting height in the field. Location shall be in the drywall immediately above the main store-front window and as shown in the dining room electrical elevations on sheet E700.
2. Ice machine electrical tie-in. Coordinate exact location with equipment installer prior to rough-in. Provide L5-20P flanged inlet wired to the remote condenser. Provide 48" cords, one with 5-20P end and one with L5-20R end, from ice maker to receptacle and flanged inlet.
3. Connect receptacles serving equipment below the kitchen hood to the circuits shown through the contactor integral to the hood control panel. Integral contactor shall be interlocked to hood fire protection system so that receptacles are de-energized upon activation of hood fire protection system.
4. Junction box for exterior sign lighting. Coordinate exact location with Chipotle's construction manager and the sign installer prior to rough-in. Connect to circuit shown through the exterior lighting contactor panel as shown in detail 6/E710.
5. Provide a single gang vertical junction box for the Kitchen Exhaust Suppression System pull station. Provide a 1/2" conduit from the J-Box to 6" above the ceiling and terminate with a conduit bushing. Coordinate exact location with the Kitchen Exhaust Suppression System installer and the Fire Marshal prior to rough-in.
6. Hood control panel and kitchen exhaust suppression system cabinet shall be located within the integral hood utility cabinet. Provide final electrical connections per the manufacturer's installation instructions necessary for a complete and operational system.
7. Provide a duplex GFCI receptacle with weatherproof while in use outlet cover for irrigation controller.
8. Provide an empty single gang J-Box for volume controls. Install 16/2 speaker wire furnished by MSS from the J-Box to the amplifier in the office with 3 feet of slack at each end.
9. Not Used.
10. Provide rough-in for launchport as noted. Launchport will be furnished and installed by Chipotle with the wallstation at 62" AFF. Provide a 4" x 2-1/8" deep octagon J-Box with 1-1/2" extension ring at 62" AFF for the wallstation installation with a 1" conduit with pull string from the J-Box to above the office ceiling.
11. Not used.
12. Provide a suitable length of liquid-tight conduit to the exhaust fan EF-1 to allow the exhaust fan to hinge completely open when the viroguard system is installed.
13. After the fax line, POS, and office equipment is installed provide childproof receptacle covers on unused IG receptacles at the fax line, POS, and office.
14. Provide one phase, one neutral, and one ground conductor from the ice maker to the remote condensing unit.
15. Unit shall have an integral non-fused disconnect switch.
16. Provide 3" conduit (EMT, IMC, or RMC) through roof. Terminate with weatherhead 60" above roof for future cell booster with one (1) 90 degree elbow and one (1) 45 degree PVC attachments - provide loose fitted.
17. Install the bypass distribution panel (BDP) furnished by the tenant. Install per the manufacturer's installation instructions and detail 3/E710.
18. Rough-ins to serve line and POS equipment are underground. Coordinate rough-in requirements and locations with equipment manufacturer prior to rough-in.
19. Rooftop unit shall have an integral unit-mounted GFCI receptacle. Provide connection to circuit shown.
20. Ice maker receptacles shall be concealed behind the ice maker. Coordinate location with actual width of ice maker.
21. Provide vertical metal die cast weatherproof while in use outlet cover on receptacles at cook line. Cover shall be Intermatic WP1010MXD for single gang boxes and WP1030MXD for double gang boxes. No substitutions shall be accepted.
22. Not used.
23. Label main disconnect switch and Panel A "Warning: Battery-protected receptacles in use. Disconnect at panel BDP".
24. Provide NEMA 5-20P flanged inlet (Leviton model #15378-C) and a single Nema 5-20R receptacle in office for connection to a central UPS system. Connect the flanged inlet and the single receptacle to the terminal block in the MDP per the manufacturer's instructions. Provide final connection from flanged inlet to the output of the UPS using a 2' long 20A extension cord. Plug the UPS into the single receptacle.
25. Connect restroom exhaust fan to circuit shown through the Lighting Control Panel (LCP).
26. Install 16/2 speaker wire furnished by MSS. Install speaker wire between speakers in the Dining Room as shown to the volume control in the Kitchen with 3 feet of slack at each end. See architectural plans for speaker locations. Adjust each speaker 70V tap setting to be 15 watts.
27. Provide power connections to island prep table per detail 2/E710. Provide GFCI duplex receptacles in two J-Boxes integral to prep table for hot holding cabinet and general receptacle.
28. Provide GFCI receptacle and J-Box and install CO2 alarm furnished by CO2AS as shown in Detail 4/E710.
29. Provide J-Box and install CO2 alarm remote display unit furnished by CO2AS as shown in Detail 4/E710.

Electrical Power Plan Notes

30. Install Walk-in cooler external readout thermometer remote probe on wall opposite from door as shown. Route temperature probe wire above Walk-in cooler ceiling panels, seal penetrations through the ceiling panels, and secure vertical probe wire tight to walls. No excess probe wire shall be within the Walk-in cooler.
31. Provide receptacle for restroom hand sink faucet as shown in Detail 14/P700.
32. Provide 4" square J-Box on exterior wall for mounting of exterior camera. See architectural elevation for exact height and location. Provide 3/4" conduit with pullstring from J-Box to above lay-in ceiling area in Kitchen. J-Box shall not be surface mounted. Base of camera shall be mounted flush to exterior wall finish.
33. Not used.
34. Not used.
35. Install vehicle detector system furnished by TLS surface-mounted on wall in accessible location above ceiling and connect to strobe/chime and detector loop per the manufacturer's installation instructions. Make final adjustments to loop sensitivity per the manufacturer's instructions. Once all components are installed and operational the chime/strobe light should stay illuminated and there should be a single chime when a vehicle drives over or stops on loop.
36. Seal interior and exterior of conduits that pass through the Walk-in cooler envelope per the NEC.
37. Provide island prep table food warmer receptacle with ground pin towards the bottom of the receptacle.
38. Install transformer furnished by TUV with the REME halo air purifier in the junction box on the exterior of the RTU per detail 6/M700. Connect line side of the transformer to the RTU service receptacle circuit so that REME halo runs continuously. Connect the low voltage side of the transformer to the REMO halo using the included barrel plug.
39. Provide (2) 10" x 10" x 4" junction boxes (J-Box #1/J-Box #2) on the wall above panelboards 6" below the lay-in ceiling and mounted adjacent to each. Provide conduits and wiring shown in detail 8/E710. TEMS shall provide gridpoint 3 phase meter and transformer within J-Box #1 and gridpoint IOM/HUB within J-Box #2. See gridpoint detail on sheet E710.
40. Not used.
41. Install wired door buzzer at 96" AFF. See architectural door equipment for equipment information. Connect to circuit shown through the transformer furnished with the door buzzer. Provide wiring to a button adjacent to the service door and connect per the manufacturer's installation instructions.
42. Connect bathroom sanitizer to circuit shown so that it is energized at all times.
43. Provide power and low voltage connections to dish sanitizing machine per detail 7/E710. Connect the detergent dispenser to the dish machine using the included wiring harness per the manufacturer's installation instructions.
44. Provide receptacle for 2-door and 1-door refrigerators with ground pins towards the bottom of the receptacle.
45. Provide cord and Nema 5-20P plug from utensil counter ice maker, through utensil counter, to ice maker receptacle.
46. Label utensil counter receptacles "Tractor Beverage", "Ice Maker/IMSB", and "Soda Fountain".
47. Label receptacle "UV Insect Trap".
48. Provide power connections to Island prep table per detail 2/E710. Provide GFCI duplex receptacle in the J-Box integral to prep table for undercounter refrigerator. Provide final connection to carving station heater.
49. If neutral conductor is not needed for serve line hot food server, remove.
50. Provide a two-conductor low voltage wire in 3/4" C and (4) #12, #12N, #12G in 1" C from MAU-1 to the hood control panel per the manufacturer's installation instructions.
51. Provide horizontal single-gang J-Box for data jack as shown for Kronos time clock.
52. Provide a recessed J-Box at 48" AFF for the installation of the security system keypad with a 3/4" conduit to above the drop tile ceiling in the office area. Terminate conduit with a conduit bushing.
53. Provide ceiling mounted maintenance receptacle for Unit Heater (UH-1).
54. Provide unit-mounted weatherproof GFCI receptacle. Provide connection to circuit shown.
55. Unit furnished with integral weatherproof disconnect switch.
56. Provide ceiling mounted electric unit heater as manufactured by Indeeco model #931U04000V, 3KW, 208V, single phase.



2 E110 Power Roof Plan
1/8" = 1'-0"



1 E110 Power Floor Plan
1/4" = 1'-0"

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TITLE:
Electrical Power Plan

SHEET NUMNBER:
E110

Electrical Site Power Plan Keynotes

1. Install vehicle detection loop furnished by TLS per the manufacturer's installation instructions. Align detector loop to be centered on the pick-up window. See Detail 2/this sheet for more information.
2. Connect digital pickup sign to circuit shown through the exterior lighting contactor panel as shown in Detail 6/E710. See Detail 2/this sheet for site conduits.
3. Connect monument sign to circuit shown through the exterior lighting contactor panel as shown in Detail 6/E710. See Detail 2/this sheet for more information.
4. Existing 1" spare low voltage conduit. See Detail 2/this sheet for more information.
5. Existing 1" spare line voltage conduit. Set Detail 2/this sheet for more information.
6. Existing interior J-Boxes at 11'-0" AFF for line voltage and low voltage site wiring. See Detail 2/this sheet for more information.
7. Provide (2) empty 2" conduits with pull strings from the base building's telephone and data service entrance locations to the space above the office ceiling. Terminate with conduit bushing.
8. Site lighting locations are referenced only - refer to civil for additional information. Connect site lighting fixtures to circuit shown through the exterior lighting contactor panel as shown in Detail 6/E710. See Detail 2/this sheet for more informaiton. Size branch circuit wiring to limit voltage drop to 3 percent.

General Notes

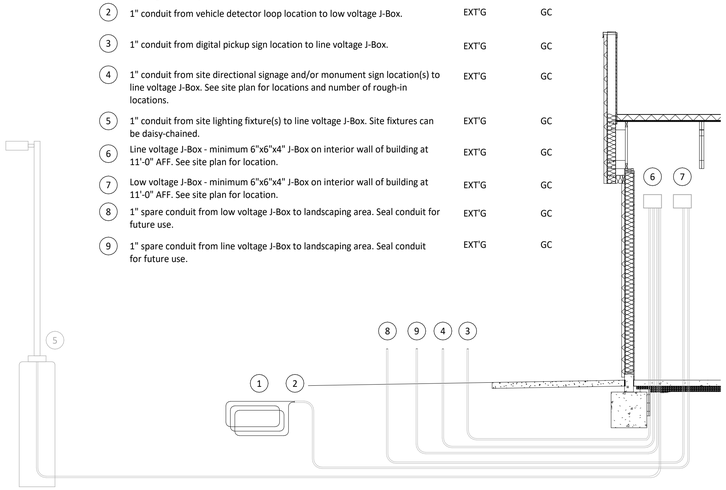
A. Work and materials shall be compliant with the NEC and requirements of the AHJ.

B. Conductors and connections below grade, even where within conduits or enclosures, shall be suitable for wet locations.

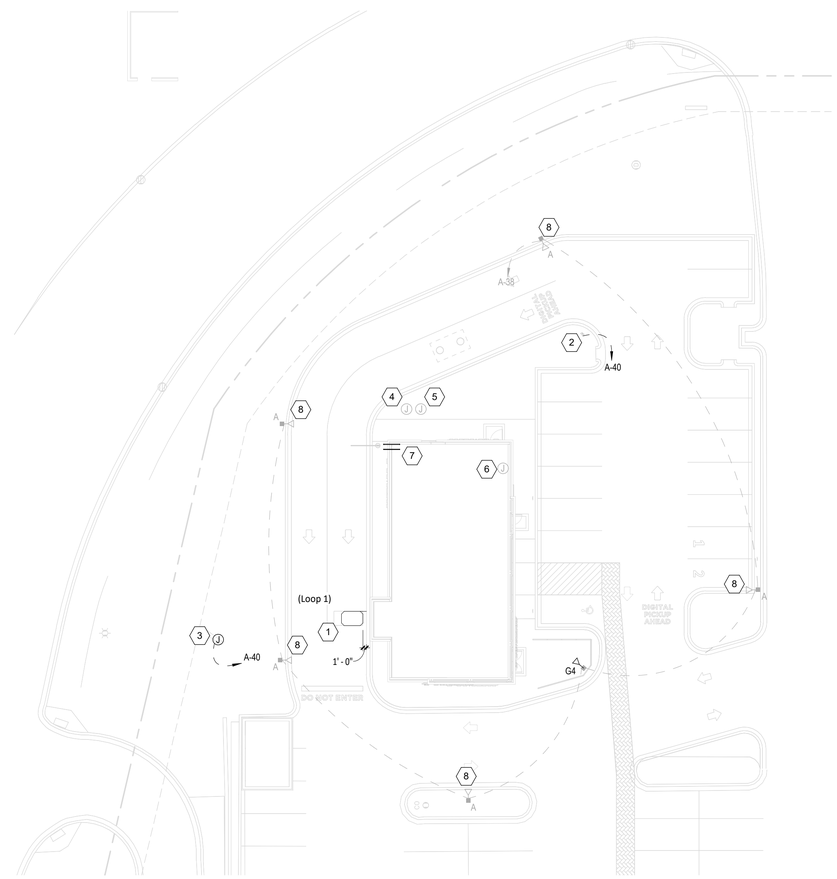
C. Provide pull string in empty conduits.

D. Seal ends of conduits stubbed up above grade to protect from the elements.

Tag	Description	Responsibility: Device Or Conduit	Responsibility: Connection Or Conductors
1	Vehicle detector loop - 6'x4' with 4 turns (EMX PR-46-XX). Verify length of lead-in wire prior to ordering to allow wire to reach vehicle detector without splicing. See site plan for locations.	GC	GC
2	1" conduit from vehicle detector loop location to low voltage J-Box.	EXT'G	GC
3	1" conduit from digital pickup sign location to line voltage J-Box.	EXT'G	GC
4	1" conduit from site directional signage and/or monument sign location(s) to line voltage J-Box. See site plan for locations and number of rough-in locations.	EXT'G	GC
5	1" conduit from site lighting fixture(s) to line voltage J-Box. Site fixtures can be daisy-chained.	EXT'G	GC
6	Line voltage J-Box - minimum 6"x6"x4" J-Box on interior wall of building at 11'-0" AFF. See site plan for location.	EXT'G	GC
7	Low voltage J-Box - minimum 6"x6"x4" J-Box on interior wall of building at 11'-0" AFF. See site plan for location.	EXT'G	GC
8	1" spare conduit from low voltage J-Box to landscaping area. Seal conduit for future use.	EXT'G	GC
9	1" spare conduit from line voltage J-Box to landscaping area. Seal conduit for future use.	EXT'G	GC



2 E115 Site Conduit Detail
NOT TO SCALE



1 E115 Power Site Plan
1" = 20'-0"

CONSULTANT:
AYRES
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1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0648

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PROJECT INFORMATION:

STORE NO.: 5005
"Preserve Village"
9246 Hennepin Town Road
Eden Prairie, MN 55347

SEAL:

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PRINT NAME: DANIEL R. SANDOVAL
SIGNATURE:
DATE: 08-26-2024 LIC. NO. 63146

PROJECT NO.	2023-0144
DRAWN BY	AA
CHECKED BY	ALB

ISSUE RECORD:

04/11/2024	PERMIT SET
06/04/2024	BID SET
08/26/2024	CONSTRUCTION SET

REVISIONS:

3	08/26/2024	Construction Set

TITLE:
Electrical Site Plan

SHEET NUMNBER:
E115

Panelboard: BDP

Location:		Voltage:	120 V, 1Ø, 2W
		Bus Rating:	20 A
		Neutral:	100%
Supply:	A	Mains Type:	MLO
Mounting:	Flush	Mains Rating:	20 A
Enclosure:	NEMA 1	Mains FN/Note:	-
Features & Modifications:	-	SCCR:	10 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase C Load (VA)
1	POS	15	1		200
2	DML - POS	15	1		200
3	DML - Ordering System	15	1		700
4	Office - Security System	15	1		200
5	Office - Computer	15	1		360
6	Office - DVR/ISP	15	1		540
				Connected Load:	2 kVA
				Connected Current:	18 A

Load Classification	Connected	Factor	Demand
Receptacle - General	2200 VA	100.00%	2200 VA

Panel Totals	
Connected Load:	2 kVA
Connected Current:	18 A
Demand Load:	2 kVA
Demand Current:	18 A

Notes:

Branch Panel: A

Location: *KITCHEN 110* **Volts:** *208Y/120* **A.I.C. Rating:** *65,000 A*
Supply From: *Utility* **Phases:** *3* **Mains Type:** *MCB*
Mounting: *Recessed* **Wires:** *4* **Mains Rating:** *400 A*
Enclosure: *Type 1* **MCB Rating:** *400 A*
Feed Thru Lugs: *Yes*

Notes: Panel furnished under separate construction package.

CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	Air Conditioner - Kitchen (RTU-1) (3-#6, #10 G. in 1" C.)	HACR	60 A	3	5461 VA	0 VA					3	60 A		TVSS (4-#6, #10 G. in 1" C.)	2
3							5461 VA	0 VA							4
5									5461 VA	0 VA					6
7	Air Conditioner - Dining (RTU-2) (3-#6, #10 G. in 3/4" C.)	HACR	50 A	3	4188 VA	0 VA					3	20 A		Gridpoint 3 Phase Meter (4-#12, #12 G. in 3/4" C.)	8
9							4188 VA	0 VA							10
11									4188 VA	0 VA					12
13	Receptacles - Storefront		20 A	1	1260 VA	200 VA					1	20 A		Gridpoint Transformer	14
15	Receptacles - Dining		20 A	1			180 VA	901 VA			3	20 A		Hood Exhaust Fan (EF-1) (3-#12, #12 G. in 3/4" C.)	16
17	Panel BDP		20 A	1					2200 VA	901 VA					18
19	Receptacle - Rooftop		20 A	1	541 VA	901 VA									20
21	Receptacles - POS General		20 A	1			700 VA	400 VA			3	15 A		Hood Makeup Air Fan (MAU-1) (3-#12, #12 G. in 3/4" C.)	22
23	Security/Audio		20 A	1					400 VA	400 VA					24
25	Irrigation Controller		20 A	1	36 VA	400 VA									26
27	GFCI - Receptacles - Office	GFCI	20 A	1			1260 VA	500 VA			1	15 A		Restroom Fan (EF-2)	28
29	GFCI - Receptacles - DML	GFCI	20 A	1					1040 VA	516 VA	1	20 A		Lighting - Dining Room	30
31	Receptacles - Restrooms		20 A	1	400 VA	1498 VA					1	20 A		Lighting - Kitchen	32
33	Bathroom Sanitizer		20 A	1			48 VA	180 VA			1	20 A	GFCI	Maintenance Receptacle	34
35	HD-1 (Control and Lights)		15 A	1					144 VA	800 VA	1	20 A		Sign Lighting	36
37	Vehicle Detector		20 A	1	30 VA	1043 VA					1	20 A		Lighting - Exterior	38
39	Vestibule Heater (UH-1) (2-#10, #10 G. in 3/4" C.)		20 A	2			1500 VA	200 VA			1	20 A		Site Signage	40
41									1500 VA	0 VA	1	20 A		Lighting Control Panel	42
43	Spare		20 A	1	0 VA	200 VA					1	20 A		Pick-up Window	44
45	Spare		20 A	1			0 VA	2100 VA			2	25 A		PUW Air Curtain (2-#10, #10 G. in 3/4" C.)	46
47	Spare		20 A	1					0 VA	2100 VA					48
49	Spare		20 A	1	0 VA	1581 VA					2	20 A		Air Curtain AC-2	50
51	Spare		20 A	1			0 VA	1581 VA							52
53	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	54
				Total Load:	37040 VA		37123 VA		39650 VA						
				Total Amps:	309 A		309 A		331 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	36544 VA	111.21%	40640 VA		
Lighting	4057 VA	125.00%	5071 VA	Total Conn. Load:	113813 VA
Receptacle - General	15593 VA	82.07%	12797 VA	Total Est. Demand:	95960 VA
Kitchen Equipment	57620 VA	65.00%	37453 VA	Total Conn. Current:	316 A
				Total Est. Demand Current:	266 A

Notes:

Branch Panel: B

Location: *KITCHEN 110* **Volts:** *208Y/120* **A.I.C. Rating:** *65,000 A*
Supply From: *A* **Phases:** *3* **Mains Type:** *MLO*
Mounting: *Flush* **Wires:** *4* **Mains Rating:** *400 A*
Enclosure: *Type 1* **Feed Thru Lugs:** *No*

Notes: Panel furnished under separate construction package.

CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	Carbonator/CO2 Alarm	GFCI	20 A	1	1300 VA	1400 VA					1	20 A		Food Prep Table	2
3	Food Prep Table (Island)		20 A	1			1400 VA	1100 VA			1	20 A	GFCI	Soda System Dispenser	4
5	Spare		20 A	1					0 VA	1400 VA	1	20 A	GFCI	Ice Maker - Utensil Counter	6
7	Reach-In Refrigerator	GFCI	20 A	1	600 VA	1000 VA					1	20 A	GFCI	Bubbler	8
9	Ready-To-Drink Refrigerator	GFCI	20 A	1			1100 VA	200 VA			1	20 A	GFCI	UV Insect Light Trap	10
11	Cold Top (Serve Line)		20 A	1					1400 VA	1000 VA	2	20 A		Carving Station (2-#10, #10 G. in 3/4" C.)	12
13	Ice Maker Sanitizer	GFCI	20 A	1	200 VA	1000 VA									14
15	Ice Maker / CU-2	GFCI	20 A	1			1900 VA	2100 VA			2	30 A		Hot Food Server (Serve Line) (2-#10, #10 N., #10 G. in 3/4" C.)	16
17	Gas Water Heater / Water Softener	GFCI	20 A	1					600 VA	2100 VA					18
19	Gas Griddle	GFCI	20 A	1	100 VA	0 VA					1	20 A		Spare	20
21	Gas Fryer/Rice Cooker	GFCI	20 A	1			100 VA	1400 VA			2	20 A	GFCI	Tortilla Press (Serve Line) (2-#10, #10 N., #10 G. in 3/4" C.)	22
23	Food Warmer (Rice Table)		15 A	1					200 VA	1400 VA					24
25	Tortilla Press (DML) (2-#10, #10 G. in 3/4" C.)	GFCI	20 A	2	1400 VA	300 VA					1	20 A		Refrigerator (Cook Line)	26
27							1400 VA	2100 VA			2	30 A	GFCI	Hot Food Server (DML) (2-#10, #10 N, #10 G. in 3/4" C.)	28
29	Upright Refrigerator	GFCI	20 A	1					1200 VA	2100 VA					30
31	Dish Machine (2-#10, #10 G. in 3/4" C.)		30 A	2	2600 VA	1400 VA					1	20 A	GFCI	Foodwarmer (DML)	32
33							2600 VA	1200 VA			1	20 A	GFCI	Cold Top (DML)	34
35	Quesadilla Maker (2-#10, #10 G in 3/4" C.)	GFCI	30 A	2					2900 VA	1100 VA	3	15 A		CU-1 (3-#10, #10 G. in 3/4" C.)	36
37					2900 VA	1100 VA									38
39	Undercounter Cooler (PUW)	GFCI	20 A	1			200 VA	1100 VA							40
41	Quesadilla Maker (2-#10, #10 G. in 3/4" C.)	GFCI	30 A	2					2900 VA	1500 VA	1	20 A	GFCI	Ice Maker (PUW) / CU-3	42
43					2900 VA	1100 VA					1	20 A	GFCI	Soda System Dispenser (PUW)	44
45	Spare		20 A	1			0 VA	24 VA			1	20 A		WIC - Door Section	46
47	Spare		20 A	1					0 VA	200 VA	1	20 A		WIC - Evaporator	48
49	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	50
51	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	52
53	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	54
				Total Load:	19300 VA		17924 VA		20000 VA						
				Total Amps:	163 A		149 A		168 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Kitchen Equipment	57224 VA	65.00%	37196 VA		
				Total Conn. Load:	57224 VA
				Total Est. Demand:	37196 VA
				Total Conn. Current:	159 A
				Total Est. Demand Current:	103 A

Notes:

CONSULTANT:
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MECHANICAL, ELECTRICAL, PLUMBING (MEP)
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(651) 639-9606 Fax (651) 639-9618
Project No. 81-0648

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PROJECT INFORMATION:

3

STORE NO.: 5005
"Preserve Village"
9246 Hennepin Town Road
Eden Prairie, MN 55347

SEAL:

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PRINT NAME: DANIEL R. SANDOVAL
SIGNATURE:
DATE 08-26-2024 LIC. NO. 63146

PROJECT NO. 2023-0144
DRAWN BY AA
CHECKED BY ALB

ISSUE RECORD:

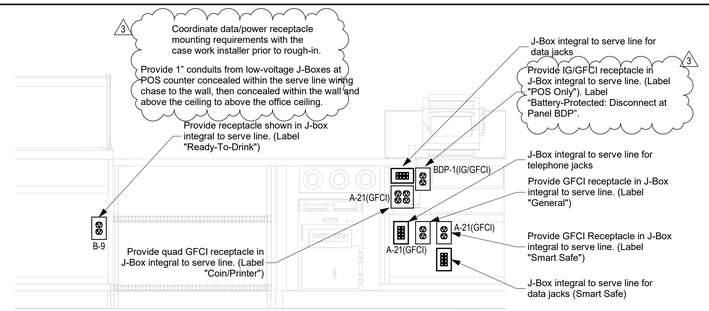
04/11/2024	PERMIT SET
06/04/2024	BID SET
08/26/2024	CONSTRUCTION SET

REVISIONS:

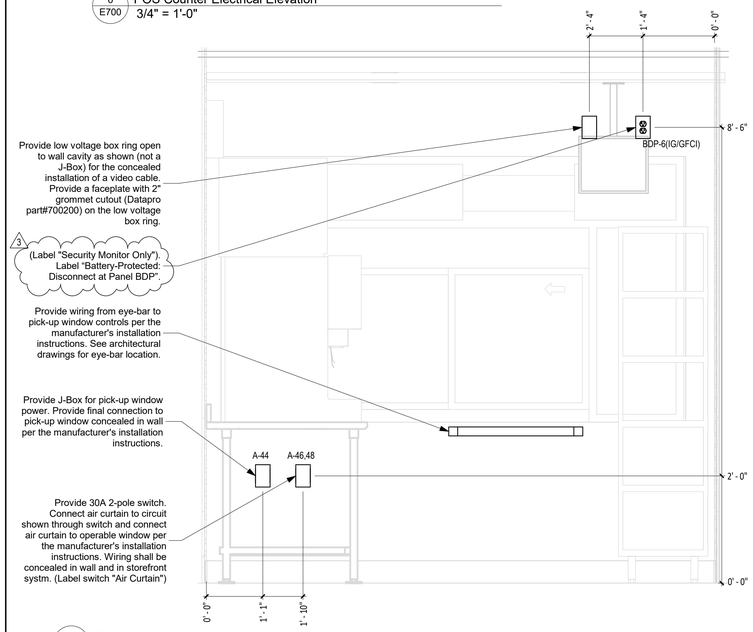
2	06/04/2024	Bid Set Updates
3	08/26/2024	Construction Set

TITLE:
Electrical Schedules

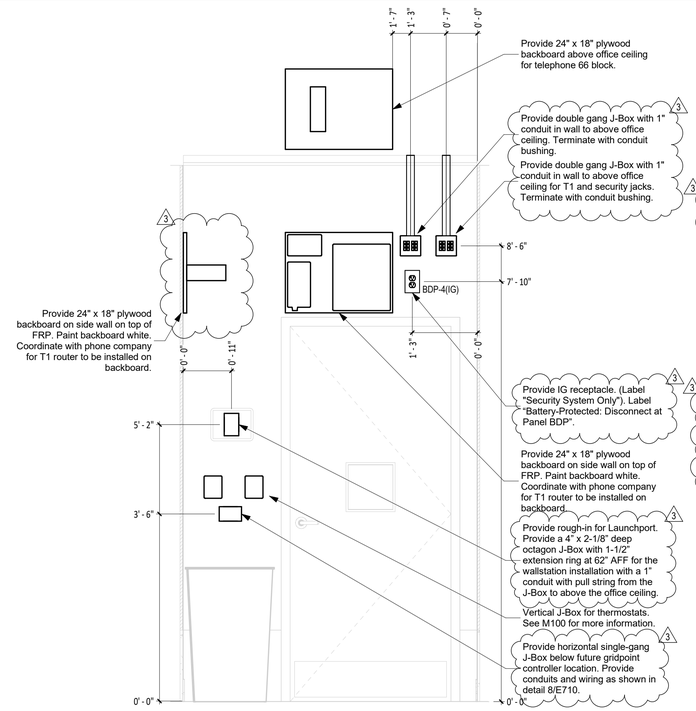
SHEET NUMNBER:
E600



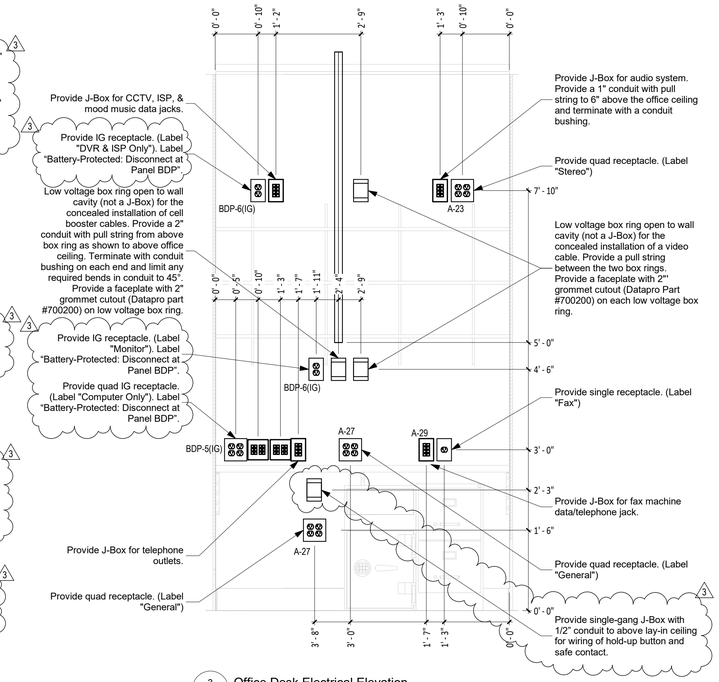
6 E700 POS Counter Electrical Elevation
3/4" = 1'-0"



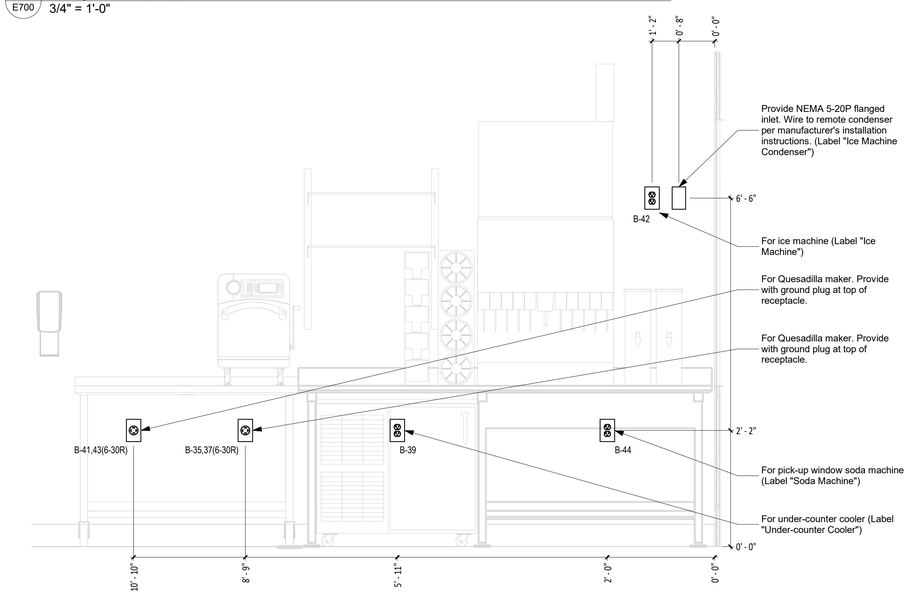
5 E700 Pick Up Window Elevation
3/4" = 1'-0"



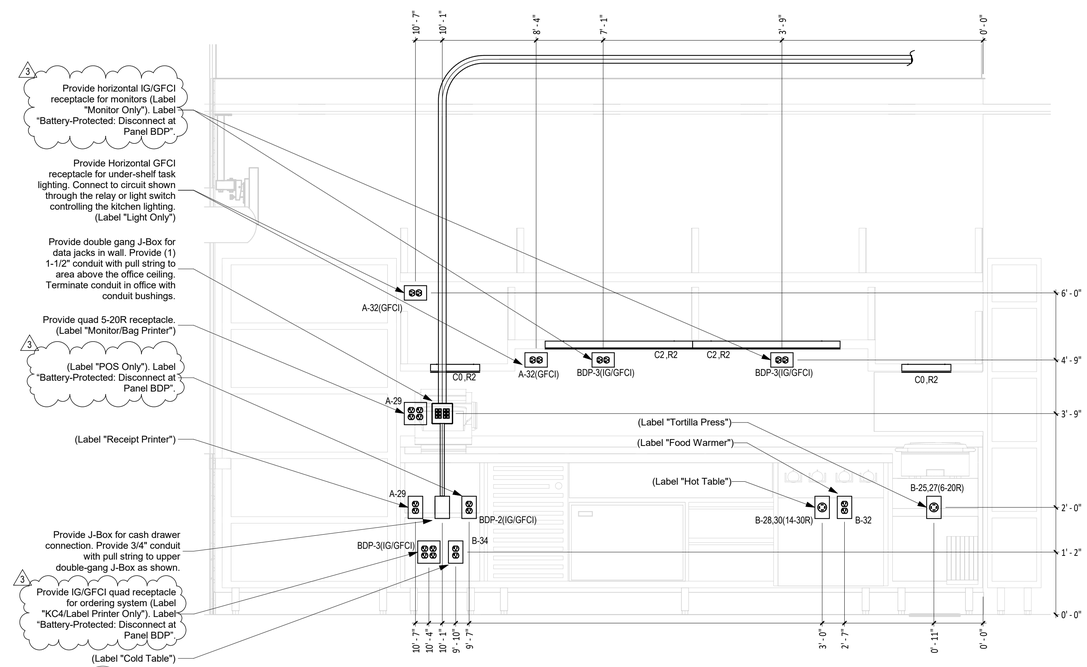
4 E700 Office Door Electrical Elevation
3/4" = 1'-0"



3 E700 Office Desk Electrical Elevation
3/4" = 1'-0"



2 E700 PUW Cold Side Electrical Elevation
3/4" = 1'-0"



1 E700 DML Electrical Elevation
3/4" = 1'-0"

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Project No. 81-0648

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PROJECT INFORMATION:

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9246 Hennepin Town Road
Eden Prairie, MN 55347

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PRINT NAME: DANIEL R. SANDOVAL
SIGNATURE:
DATE 08-26-2024 LIC. NO. 63146

PROJECT NO.	2023-0144
DRAWN BY	AA
CHECKED BY	ALB

ISSUE RECORD:

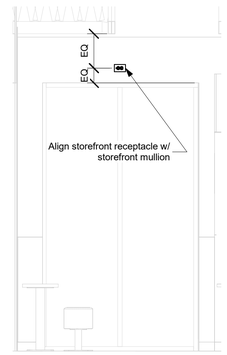
04/11/2024	PERMIT SET	
06/04/2024	BID SET	
08/26/2024	CONSTRUCTION SET	

REVISIONS:

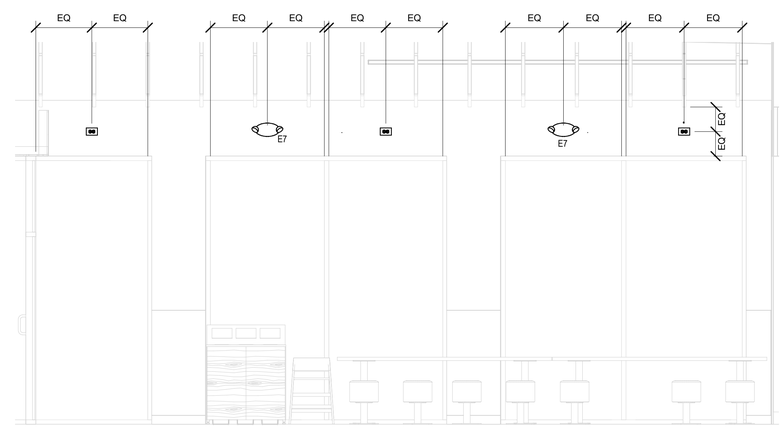
3	08/26/2024	Construction Set

TITLE:
Electrical Interior Elevations

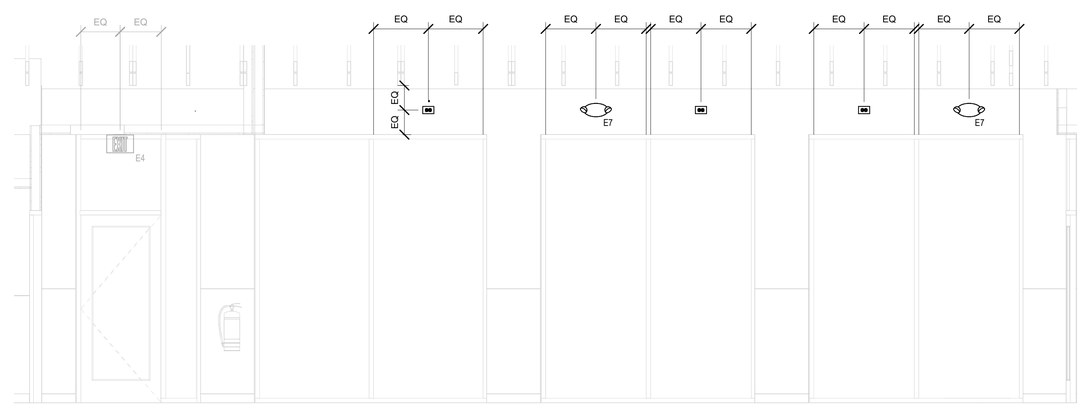
SHEET NUMNBER:
E700



3 / E705 Dining Room Electrical Elevation
3/8" = 1'-0"



2 / E705 Dining Room Electrical Elevation
3/8" = 1'-0"



1 / E705 Dining Room Electrical Elevation
3/8" = 1'-0"

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PROJECT INFORMATION:

3

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"Preserve Village"
9246 Hennepin Town Road
Eden Prairie, MN 55347

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PRINT NAME: DANIEL R. SANDOVAL

SIGNATURE:

DATE: 08-26-2024 LIC. NO. 63146

PROJECT NO. 2023-0144
DRAWN BY AA
CHECKED BY ALB

ISSUE RECORD:

04/11/2024	PERMIT SET
06/04/2024	BID SET
08/26/2024	CONSTRUCTION SET

REVISIONS:

3	08/26/2024	Construction Set

TITLE:

Electrical Interior Elevations

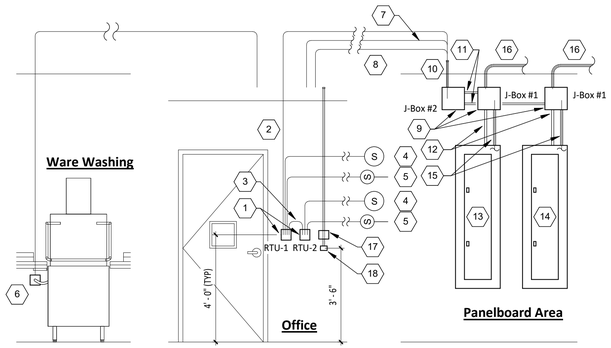
SHEET NUMNBER:

E705

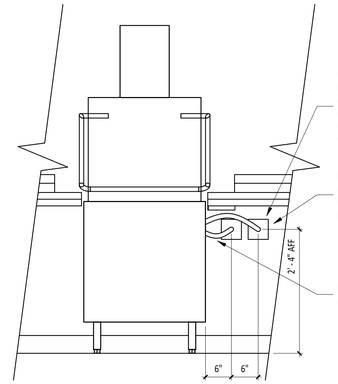
Gridpoint Diagram Notes

1. Install gridpoint thermostats furnished by TEMS for RTU-1 and RTU-2. Provide thermostat wiring from each thermostat to the corresponding rooftop unit.
2. Provide CAT5E cable from RTU-1 thermostat to junction box #2 above electrical panels. (Leave 16" of cable coiled up inside of junction box #2 and 16" behind wall of thermostat for final connection to the EMS system by the TEMS) and label both ends of cable "TSTATS".
3. Provide CAT5E cable(s) between thermostats (leave 16" of cable behind wall of each thermostat for final connection by the TEMS) and label both ends of cable "TSAT Jumper". See gridpoint installation instructions for termination instructions.
4. Install gridpoint zone sensor modeules furnished by TEMS as shown on HVAC floor plan. Provide 18G-24G shielded twisted pair from ZSM to corresponding thermostat T1 terminals. See gridpoint installation instructions for termination instructions.
5. Install gridpoint supply probe furnished by TEMS as shown on HVAC floor plan. Provide 18G-24G shielded twisted pair from supply probe to corresponding thermostat T2 terminals. See gridpoint installation instructions for termination instructions.
6. Provide 3/4" liquidtight conduit from dish sanitizing machine to low-voltage junction box or trim ring flush mounted to wall. Provide continuous (not spliced) CAT5E cable from dish sanitizing machine to office (above lay-in ceiling) with 54" slack within the dish machine and 10' slack above the lay-in ceiling. Provide RJ-22 plug on cable at dish machine end with blue wire connected to pin 3 and blue/white wire connected to pin 4. Label cable on both ends with "dishwasher".
7. Provide CAT5 cable from junction box #2 to office above lay-in ceiling and label "RS-485 Comms" on both ends of the cable. Leave 10' of slack cable above office ceiling and 16" of slack cable inside of junction box #2.
8. Provide cable (18-24AWG shielded twisted pair) from junction box #2 to office above lay-in ceiling and label "EMS Power" on both ends of the cable. Leave 10' of slack cable above office ceiling and 16" of slack cable inside of junction box #2.
9. Provide surface mount 10" x 10" x 4" NEMA 1 enclosures above panelboard and 6" below ceiling.
10. Provide 3/4" conduit with insulating bushing on end concealed in wall from junction box #2 to 6" above lay in ceiling.
11. Provide 3/4" conduit with insulating bushing on end concealed in wall from junction box #2 to 6" above lay-in ceiling.
12. Provide empty 1" conduit(s) from panelboard(s) to Junction Box #1 for future CT wiring by TEMS.
13. First panelboard fed from Electrical Service. Provide with (1) 20A/3-pole circuit breaker (for gridpoint 3 phase meter). If panelboard has 120v circuit available then also provide (1) 20/1-pole circuit breaker (for gridpoint transformer).
14. If space has multiple electrical services then provide a "Junction Box #1" and associated breakers, conduits, and conductors on the first panelboard fed from each electrical service.
15. For each electrical service provide (1) set of [(4) #12, #12G] from 3-pole gridpoint circuit breaker and, if the panelboard has 120v circuits available, (1) set of [(2) #12, #12 G.] from 1-pole gridpoint circuit breaker in 3/4" conduit concealed in wall to Junction Box #1.
16. If the panelboard does not have 120v circuits available, provide a 1-pole 120V 20A circuit breaker in a panel with a 120V circuit available. Provide (1) set of [(2) #12, #12G.] from the gridpoint circuit breaker in 3/4" conduit concealed in wall to Junction Box #1. Terminate in Junction Box #1 with 16" slack for final connection by TEMS.
17. Gridpoint controller provided by TEMS.
18. Provide horizontal single-gang junction box below future gridpoint controller location as shown. Provide 3/4" conduit with pull string and insulating bushing from junction box to 6" above office lay-in ceiling.

Note:
Arrangement shown is diagrammatic - see plans for actual device locations.



8 / E710 Gridpoint Wiring Diagram
NOT TO SCALE

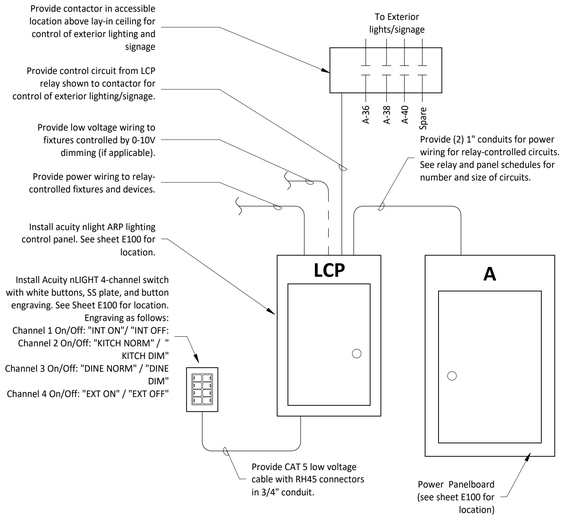


Electrical connections shall be on the opposite side of the dish machine from the 3-comp sink. If this is on the left side of the dish machine then liquid tight conduit shall be routed behind the dish machine to the electrical connections on the right side of the dish machine.

Power for dish sanitizing machine shall be fed from a dedicated 2-pole lockable circuit breaker. Provide final connection from J-Box in wall to dish sanitizing machine using liquidtight flexible metal conduit.

Provide conduits and wiring for Gridpoint connection to DSM as shown in detail 8/E710.

7 / E710 Dish Machine Sanitizer Electrical Detail
NOT TO SCALE

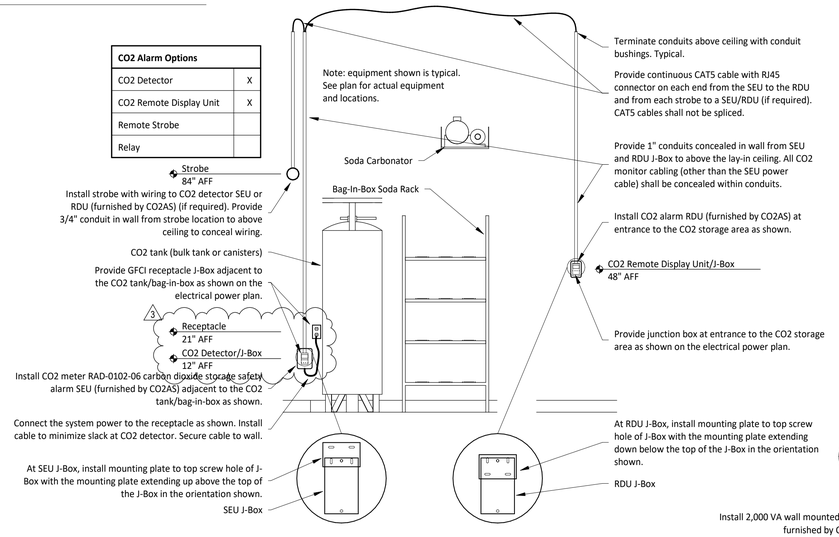


6 / E710 Lighting Control Diagram
NOT TO SCALE

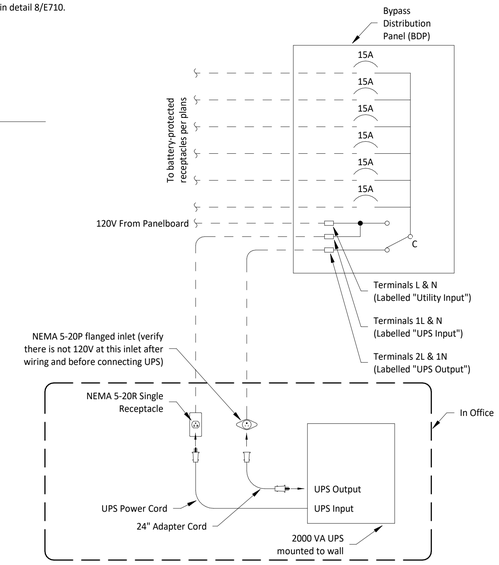
Sequence of Operations

A. Emergency light fixtures, exit signs, locally-switched fixtures, and fixtures designated as night lights are not controlled through the relay panel.
B. All times noted shall be local time and shall automatically adjust for daylight savings time, if applicable.
C. All kitchen lighting circuits and restroom exhaust fan circuit (R1, R2, R7) shall be energized at full power from 7:00AM until midnight and shall be de-energized at other times.
D. All dining room lighting circuits (R4, R5, R6) shall be energized one hour before sunset until one hour after closing and shall be de-energized at other times.
E. Exterior lighting/signage relay (R8) shall be energized from one hour before sunset until one hour after closing and shall be de-energized at other times.
F. Overrides: when one of the override buttons is pressed the system will go into override mode for the duration noted below or until the next scheduled event. Following this period the relays will return to the current scheduled condition. During this override time the corresponding lamp will illuminate on the override button.
G. Interior (Channel 1): when the interior override on or off button is pressed (channel 1) Relays R1, R2, R4, R6, and R7 will be energized or de-energized for a duration of one (1) hour.
H. Kitchen Dimming (Channel 2): When the kitchen normal/dim override on or off button is pressed (channel 2) relay R2 will be energized or de-energized for a duration of one (1) hour.
I. Dining Dimming (Channel 3): When the dining normal/dim override on or off button is pressed (channel 3) relays R5 and R6 will be energized or de-energized for a duration of one (1) hour.
J. Exterior (Channel 4): When the exterior override on or off button is pressed (channel 4) relay R8 will be energized or de-energized for a duration of one (1) hour.
K. Verify that time, time zone, and longitude/latitude are set correctly on LCP. Verify with store operations that the on/off times are compatible with the store operating hours prior to turnover.

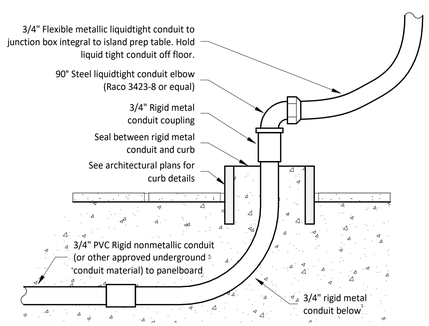
CO2 Alarm Options	
CO2 Detector	X
CO2 Remote Display Unit	X
Remote Strobe	
Relay	



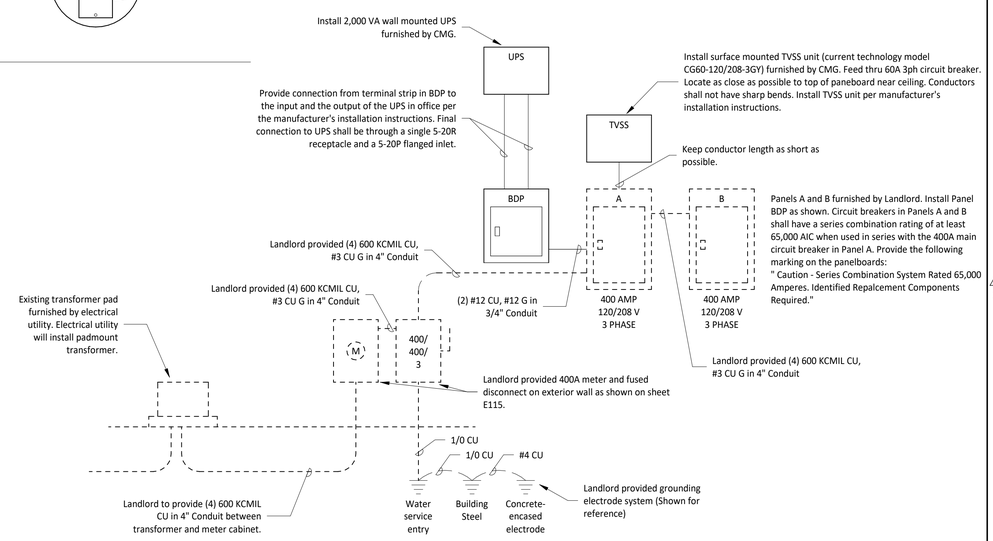
4 / E710 CO2 Alarm Detail
NOT TO SCALE



3 / E710 Bypass Distribution Panel Wiring Diagram
NOT TO SCALE



2 / E710 Pedestal Outlet Detail
NOT TO SCALE



1 / E710 Main Distribution Diagram
NOT TO SCALE

5 / E710 Not Used
NOT TO SCALE

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PROJECT INFORMATION:

3

STORE NO.: 5005
"Preserve Village"
9246 Hennepin Town Road
Eden Prairie, MN 55347

SEAL:

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: DANIEL R. SANDOVAL
SIGNATURE:
DATE 08-26-2024 LIC. NO. 63146

PROJECT NO. 2023-0144
DRAWN BY AA
CHECKED BY ALB

ISSUE RECORD:

04/11/2024	PERMIT SET
06/04/2024	BID SET
08/26/2024	CONSTRUCTION SET

REVISIONS:

3	08/26/2024	Construction Set

TITLE:
Electrical Details

SHEET NUMNBER:
E710